

FIG. 1A

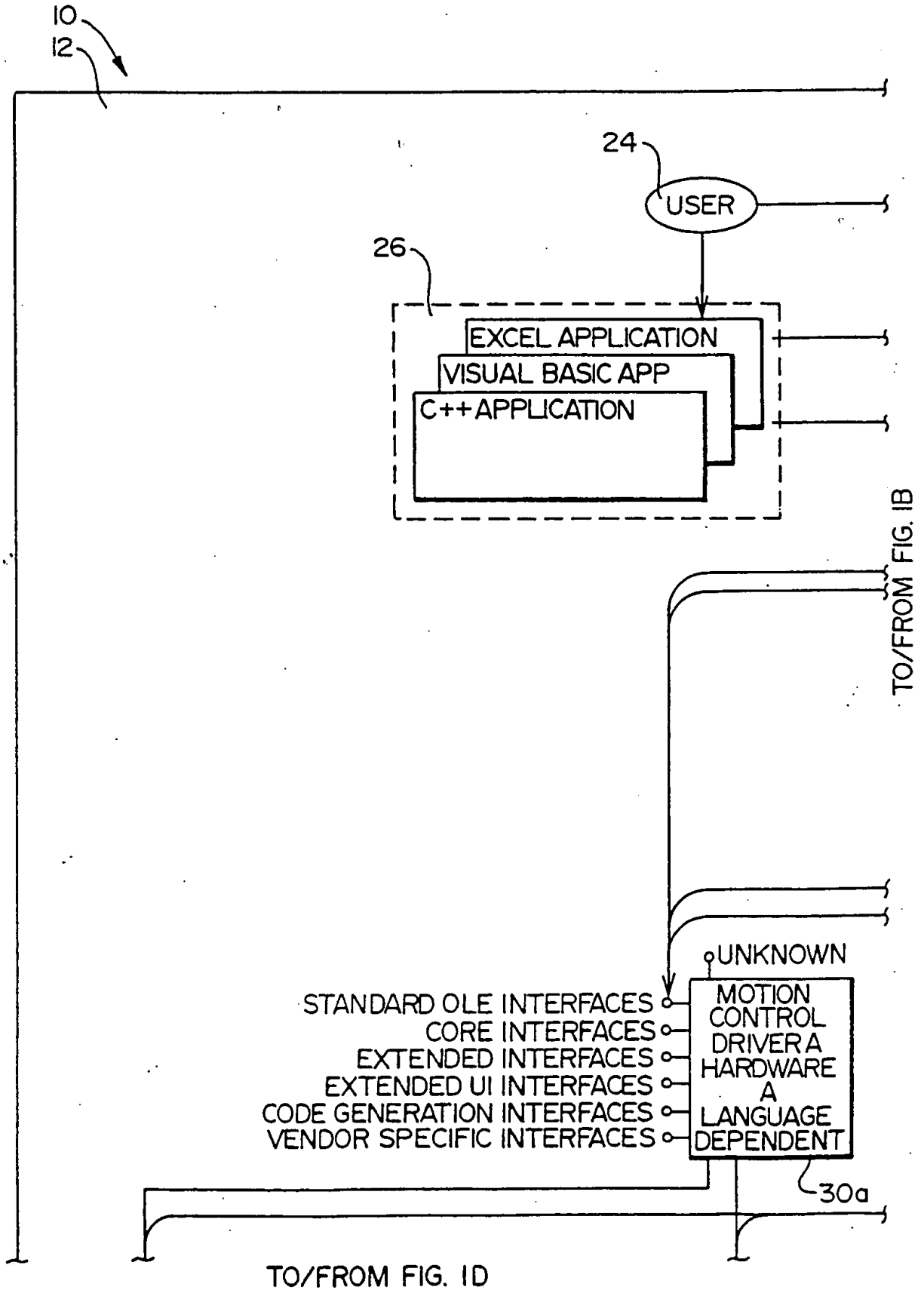


FIG. 1B

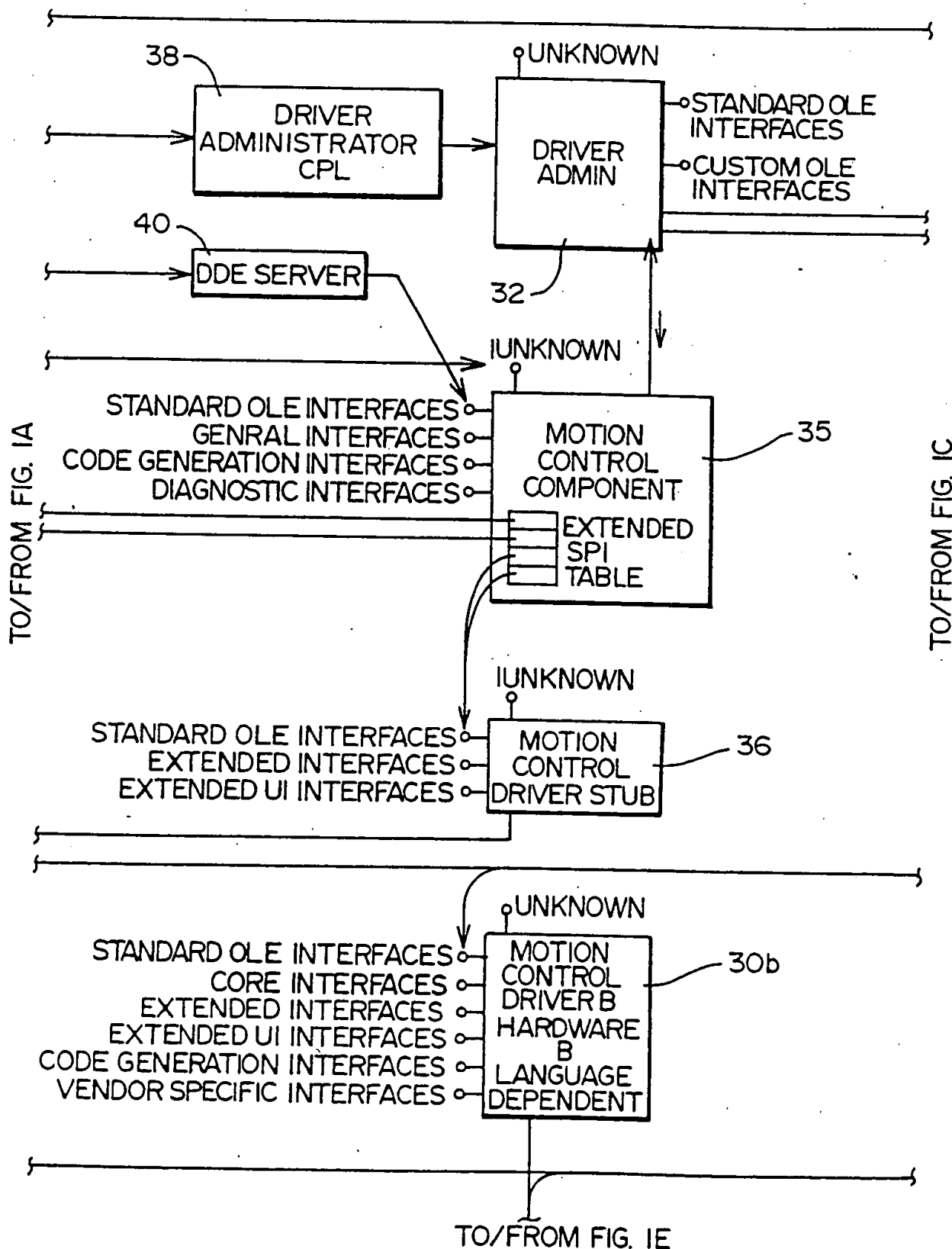
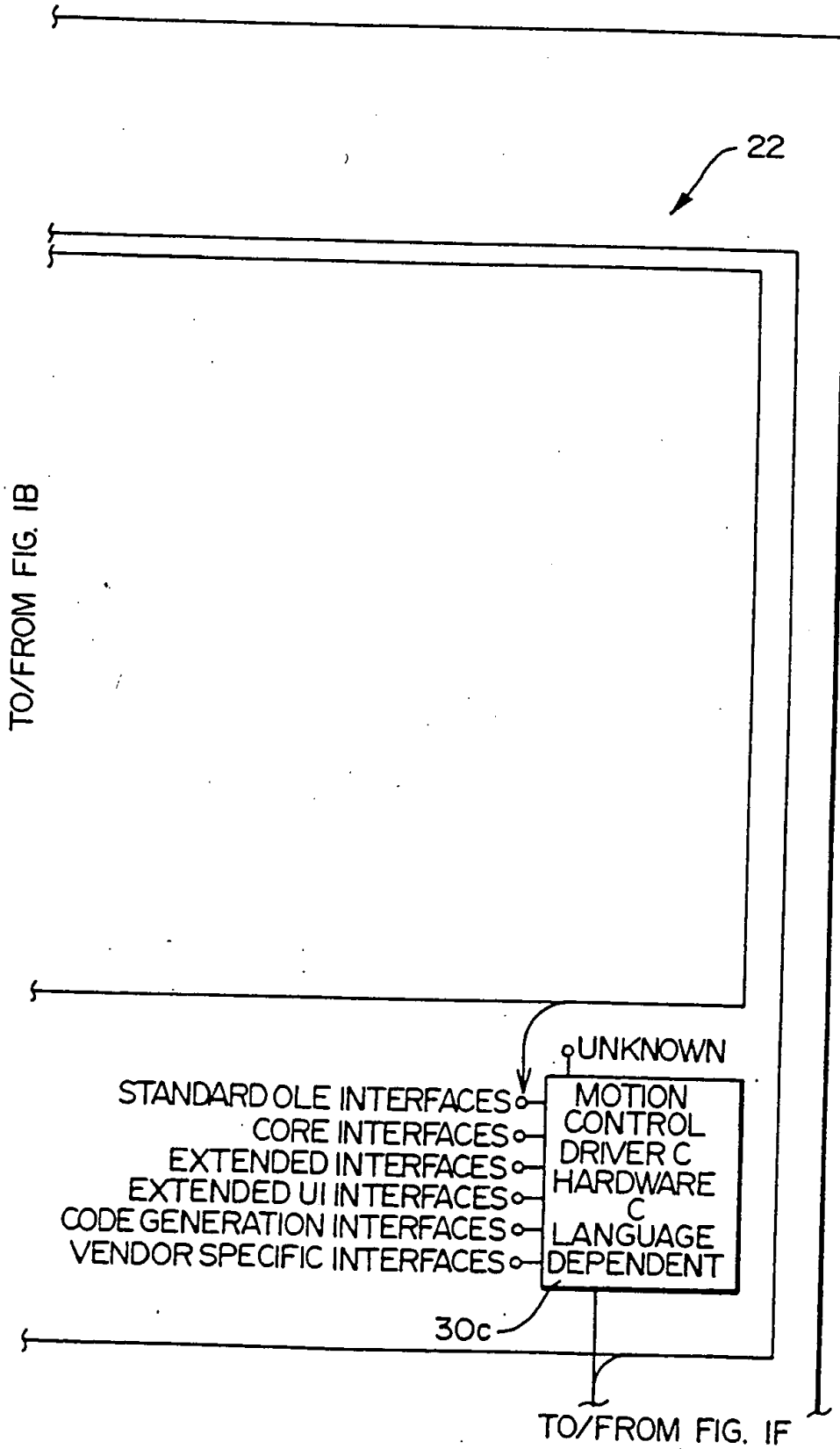


FIG. 1C



TO/FROM FIG. 1B

22

UNKNOWN

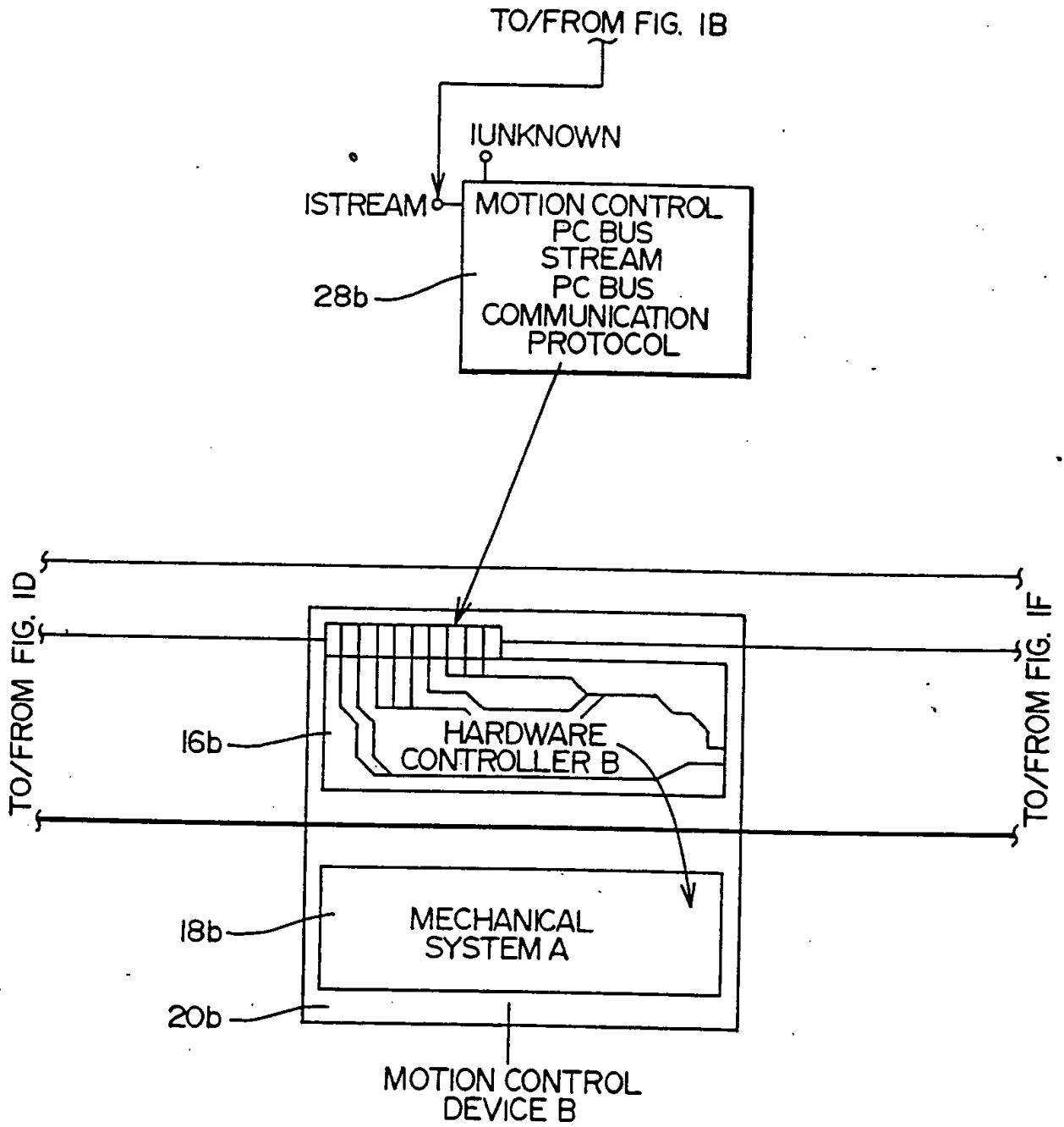
STANDARD OLE INTERFACES
CORE INTERFACES
EXTENDED INTERFACES
EXTENDED UI INTERFACES
CODE GENERATION INTERFACES
VENDOR SPECIFIC INTERFACES

MOTION
CONTROL
DRIVER C
HARDWARE
C
LANGUAGE
DEPENDENT

30c

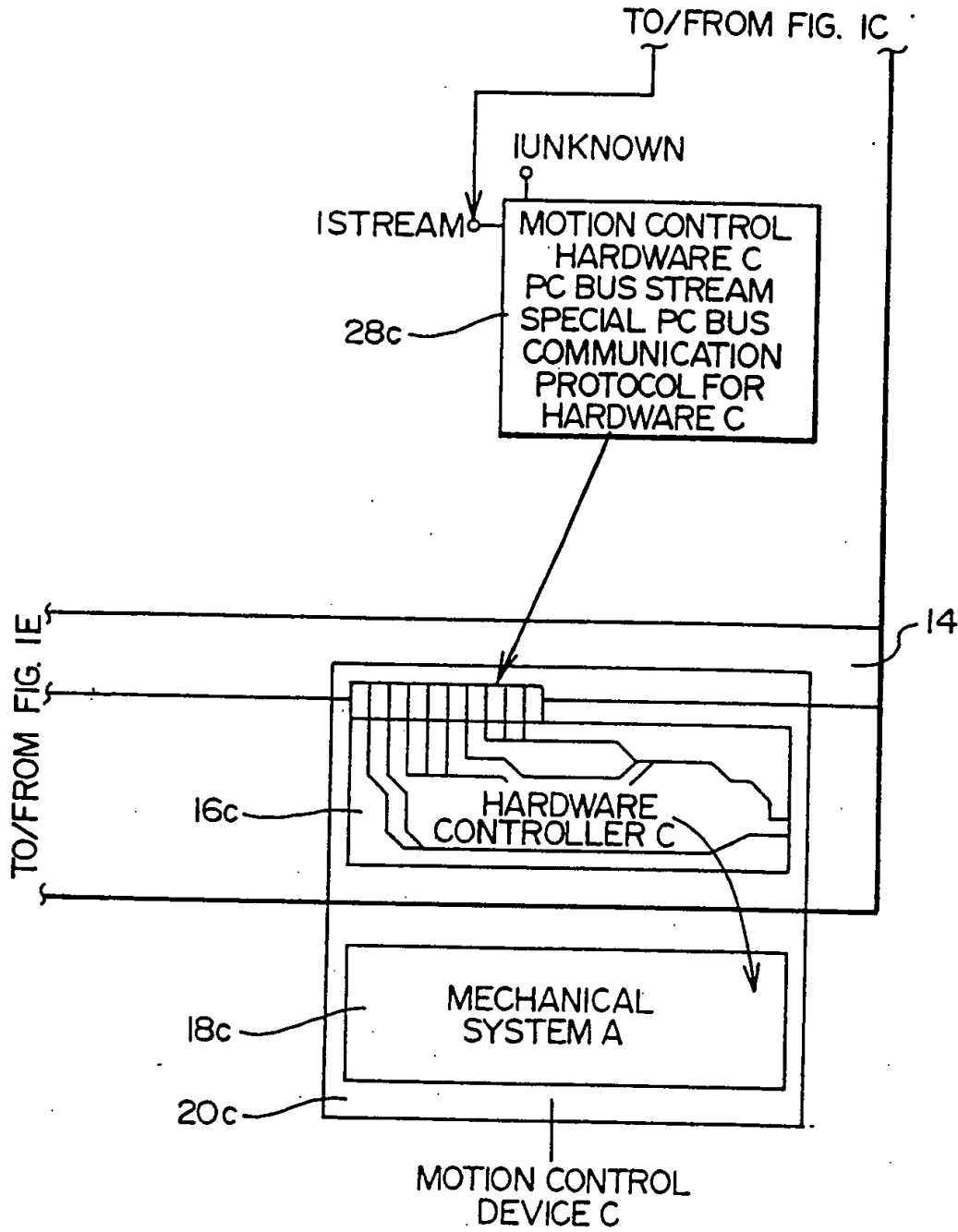
TO/FROM FIG. 1F

FIG. 1E



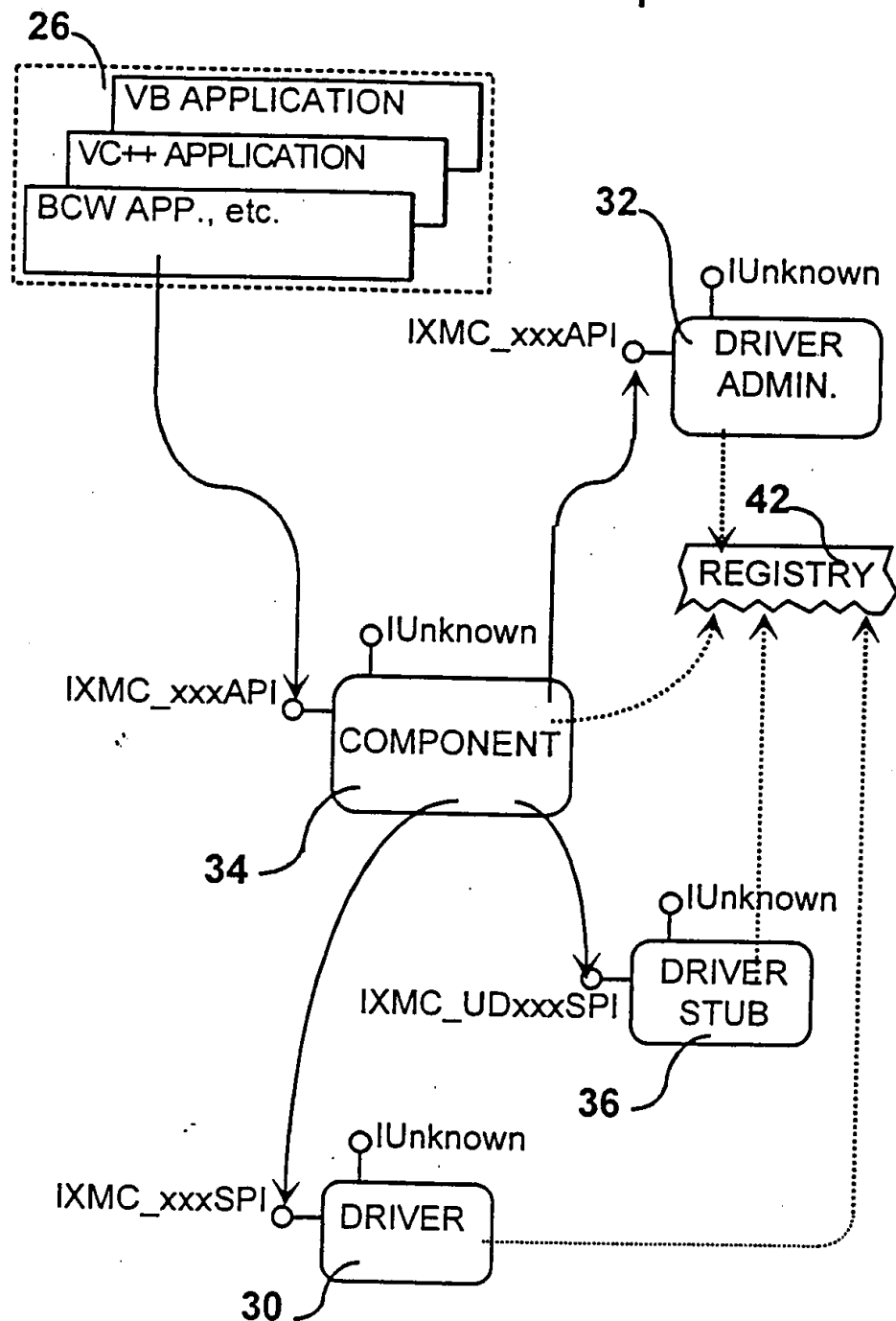
002080-888888

FIG. 1F



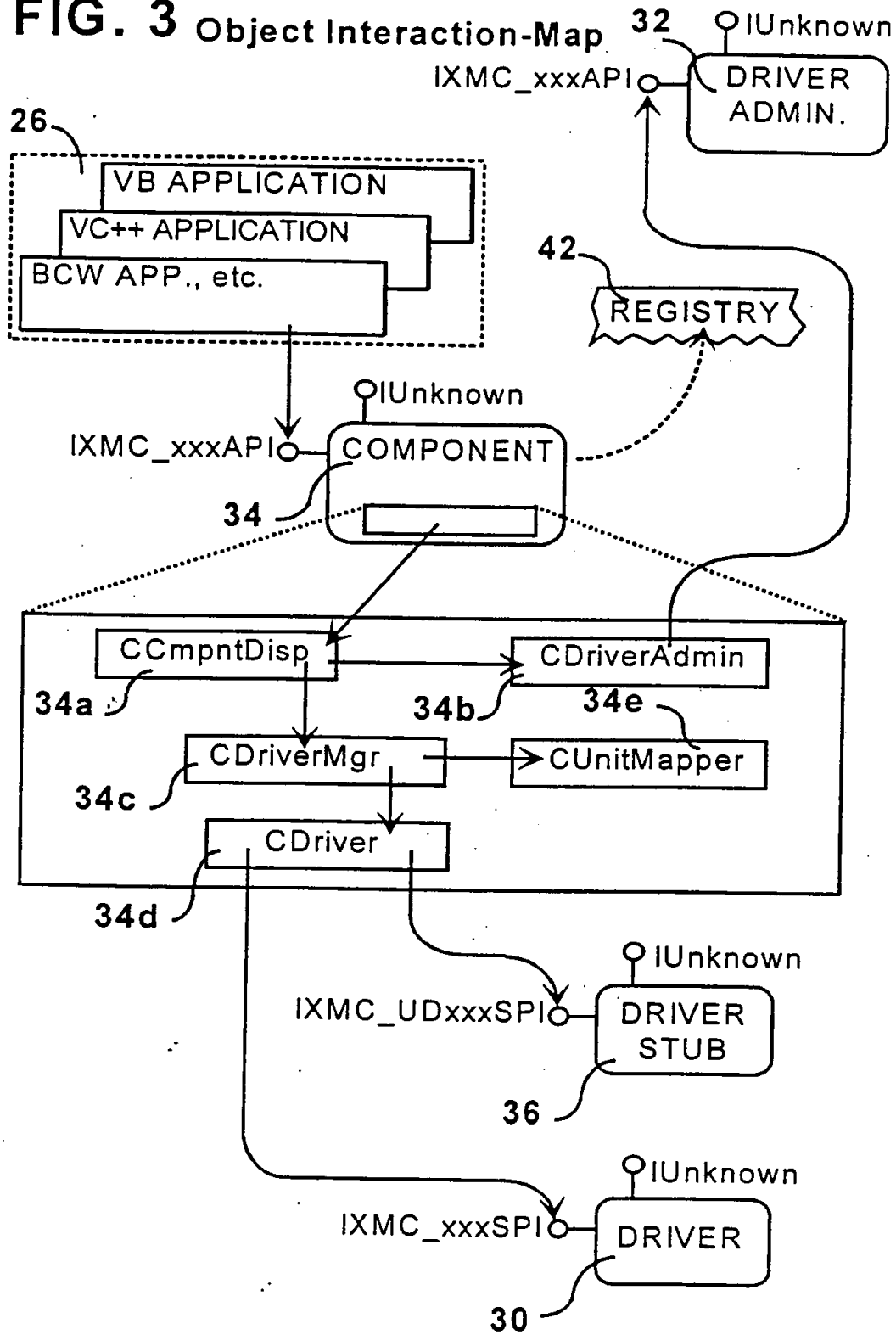
002080-2293E980

FIG. 2 Module Interaction-Map



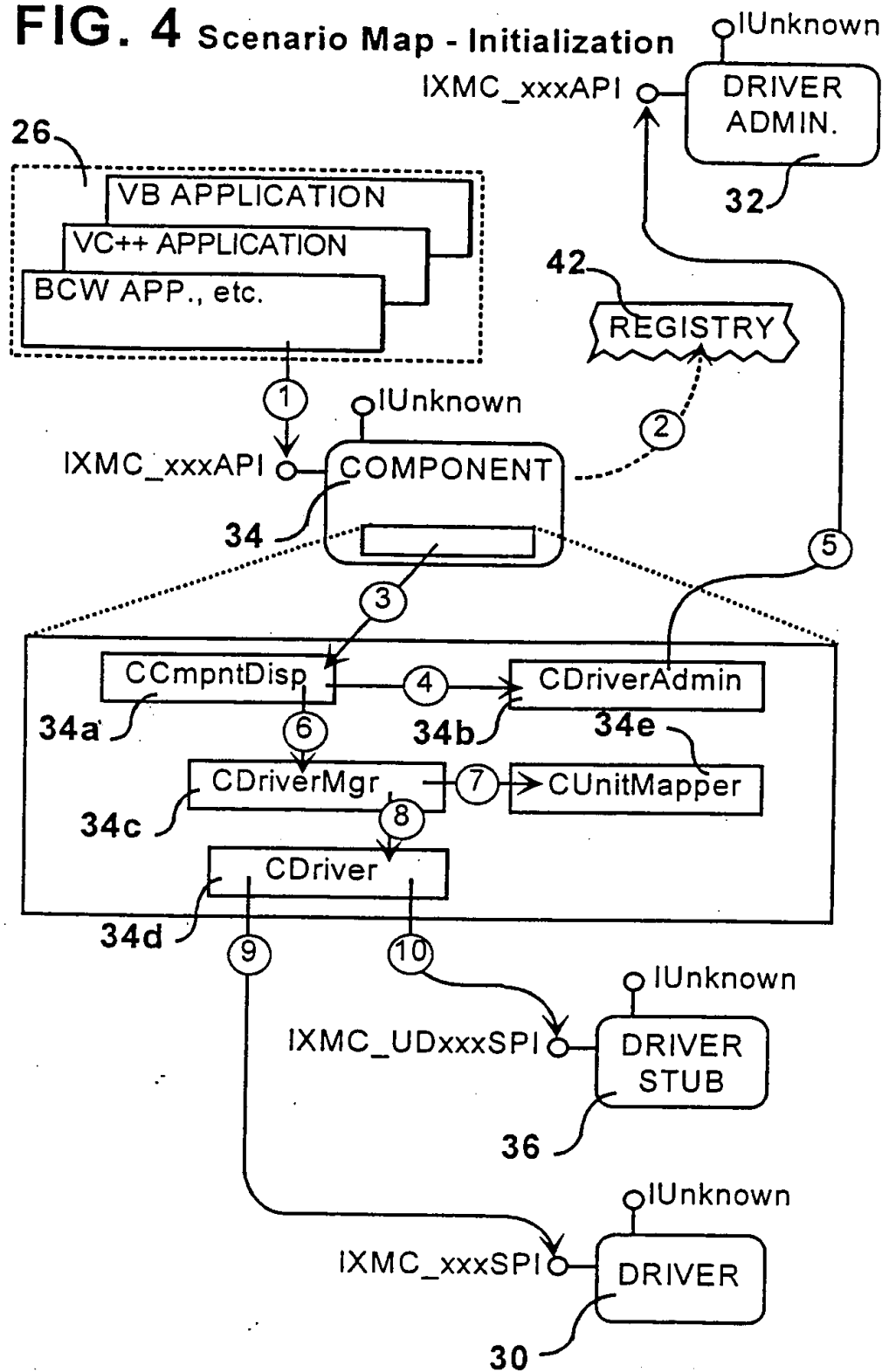
8/64

FIG. 3 Object Interaction-Map



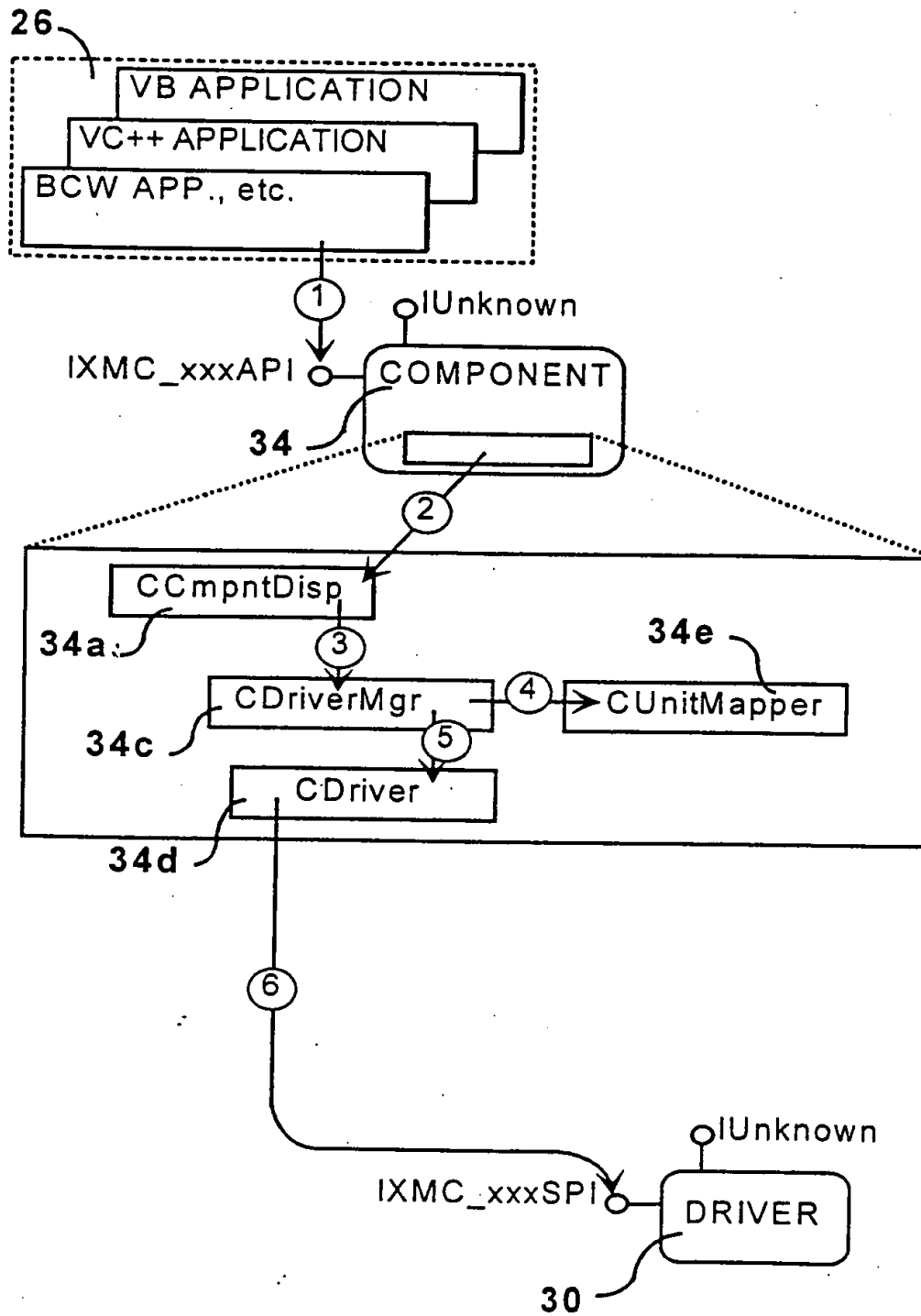
9/64

FIG. 4 Scenario Map - Initialization



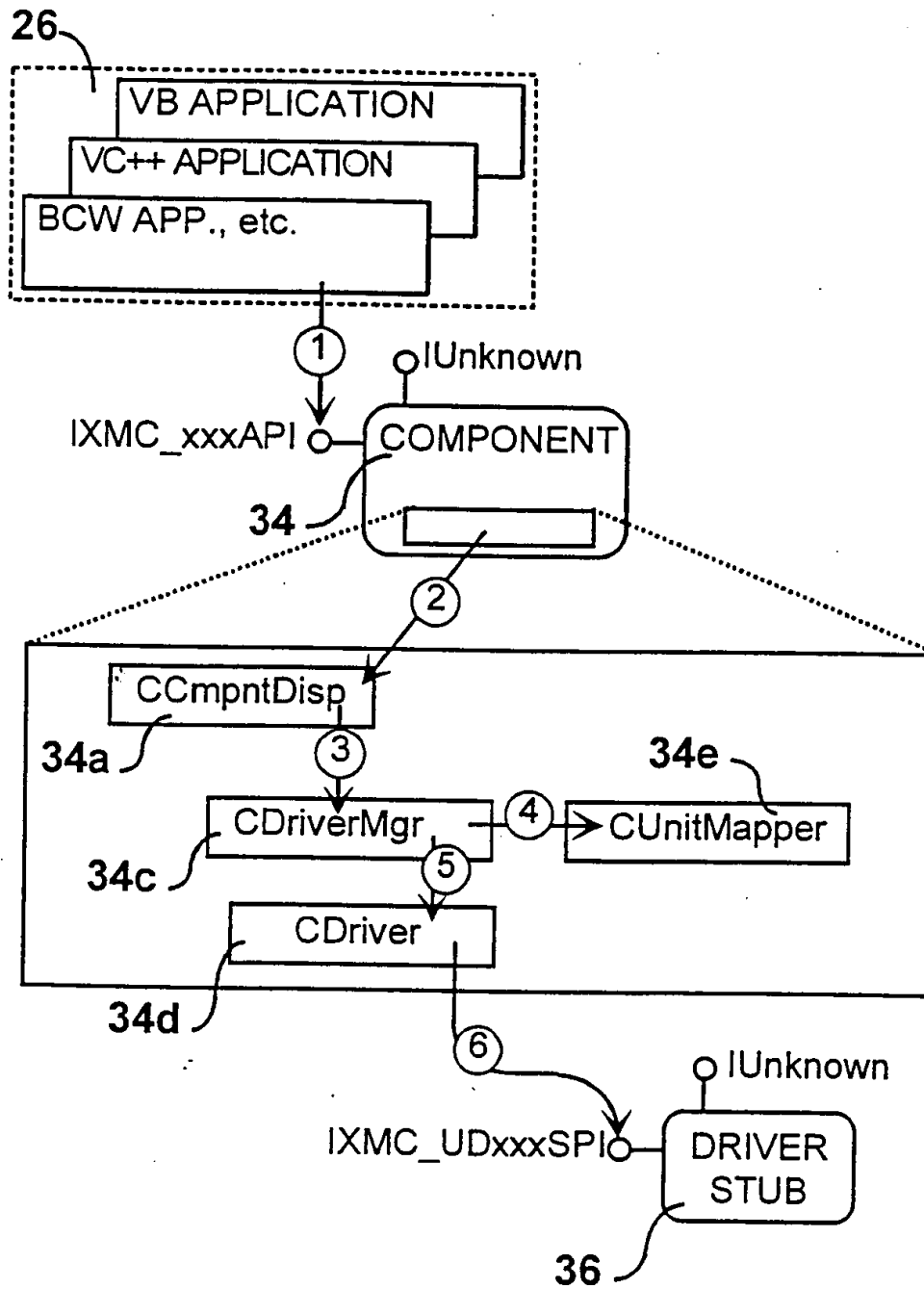
10/64

FIG. 5 Scenario Map - Core SPI Operation



12/64

FIG. 7 Scenario-Map - Extended SPI Operation



13/64

FIG. 8 Scenario-Map - Clean-up.

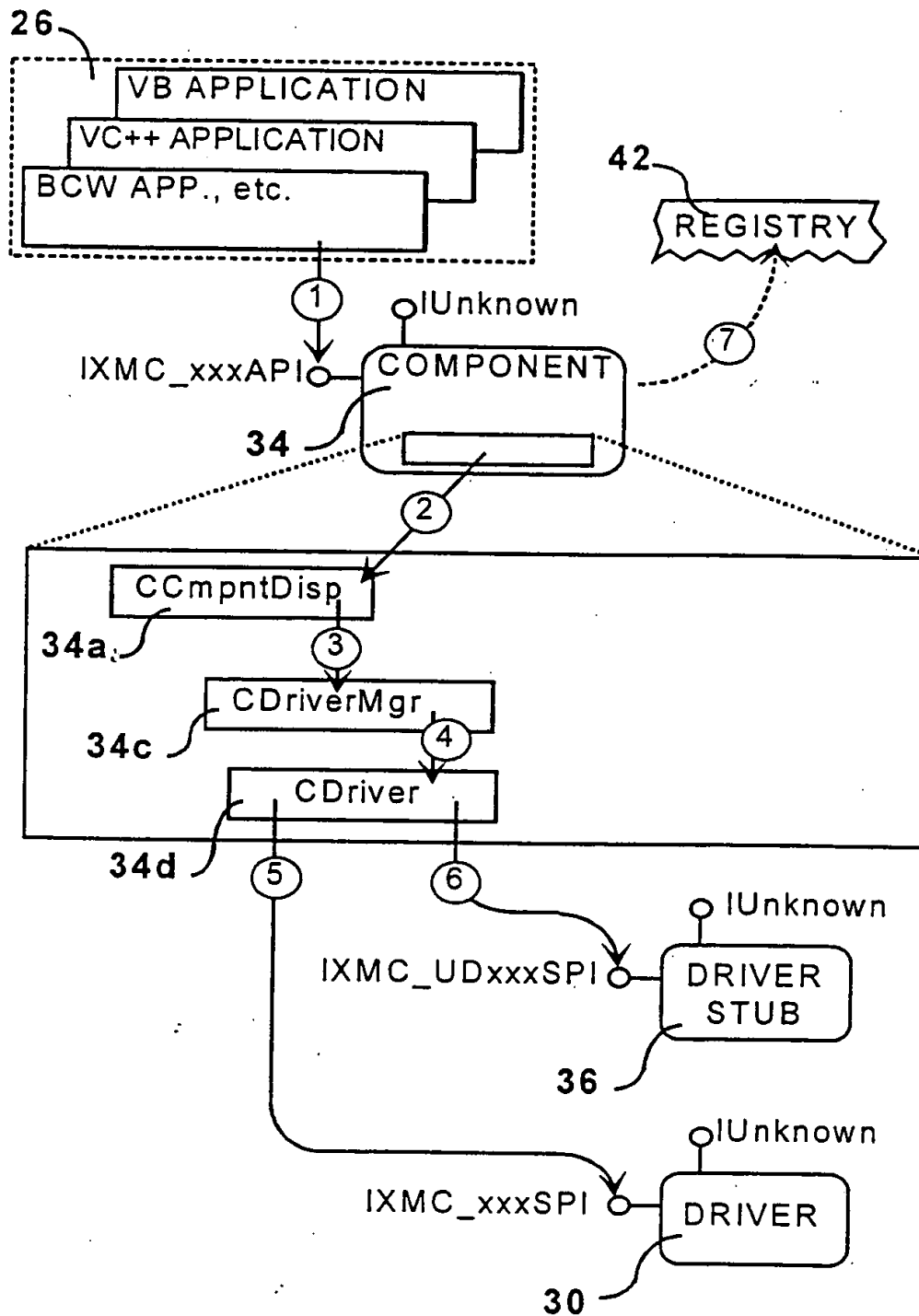
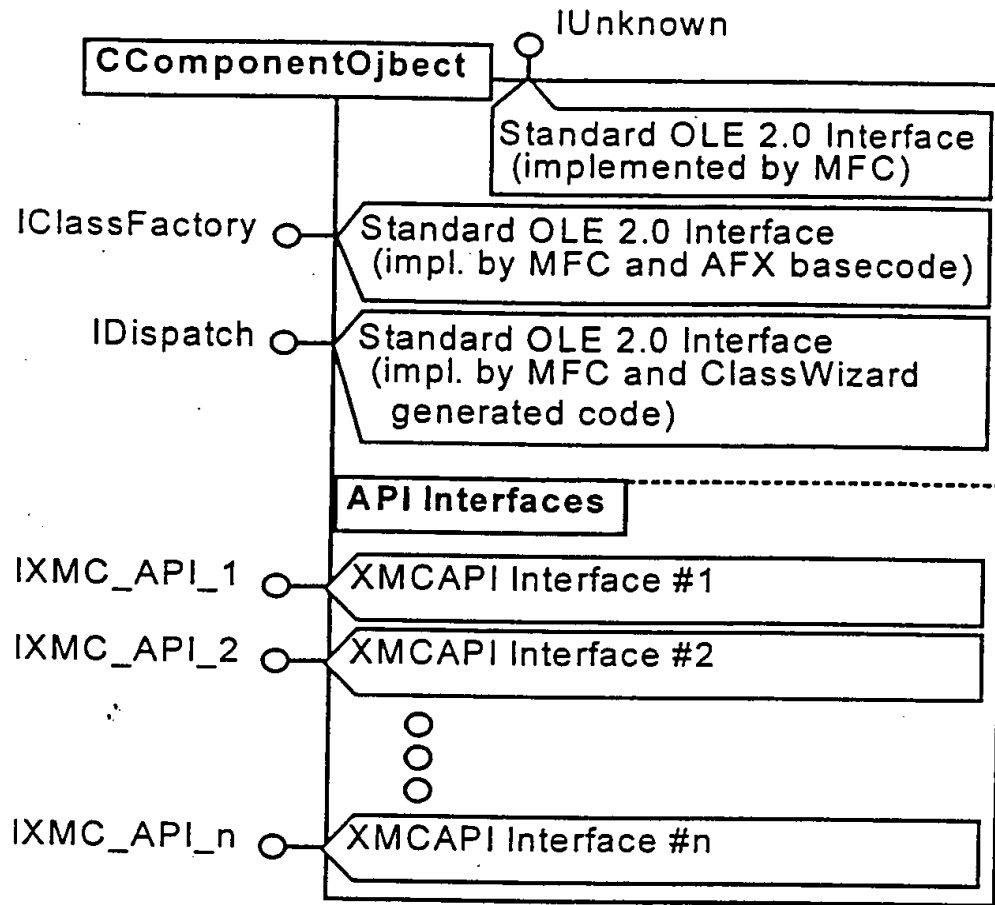
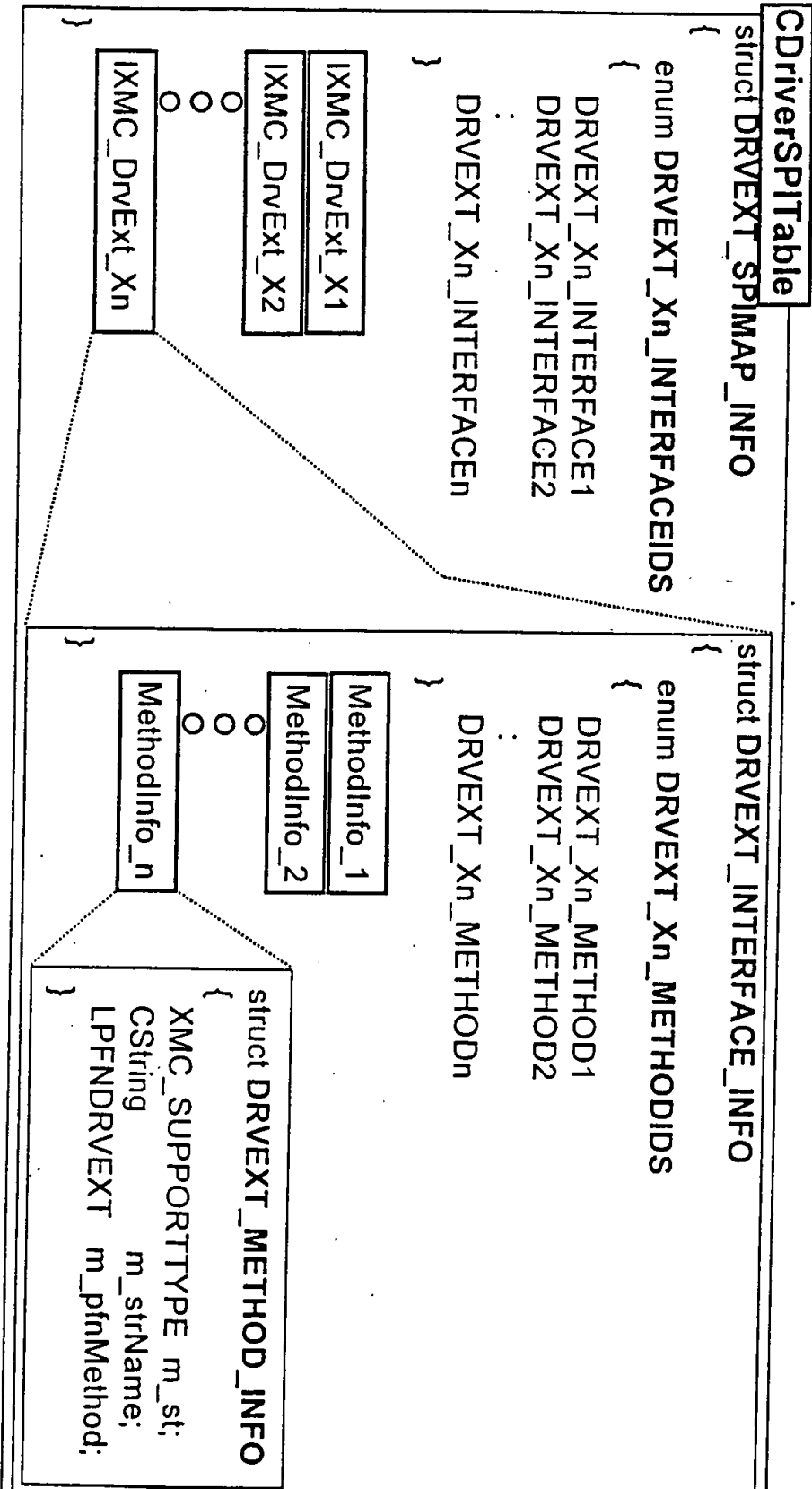


FIG. 9 Interface-Map



15/64

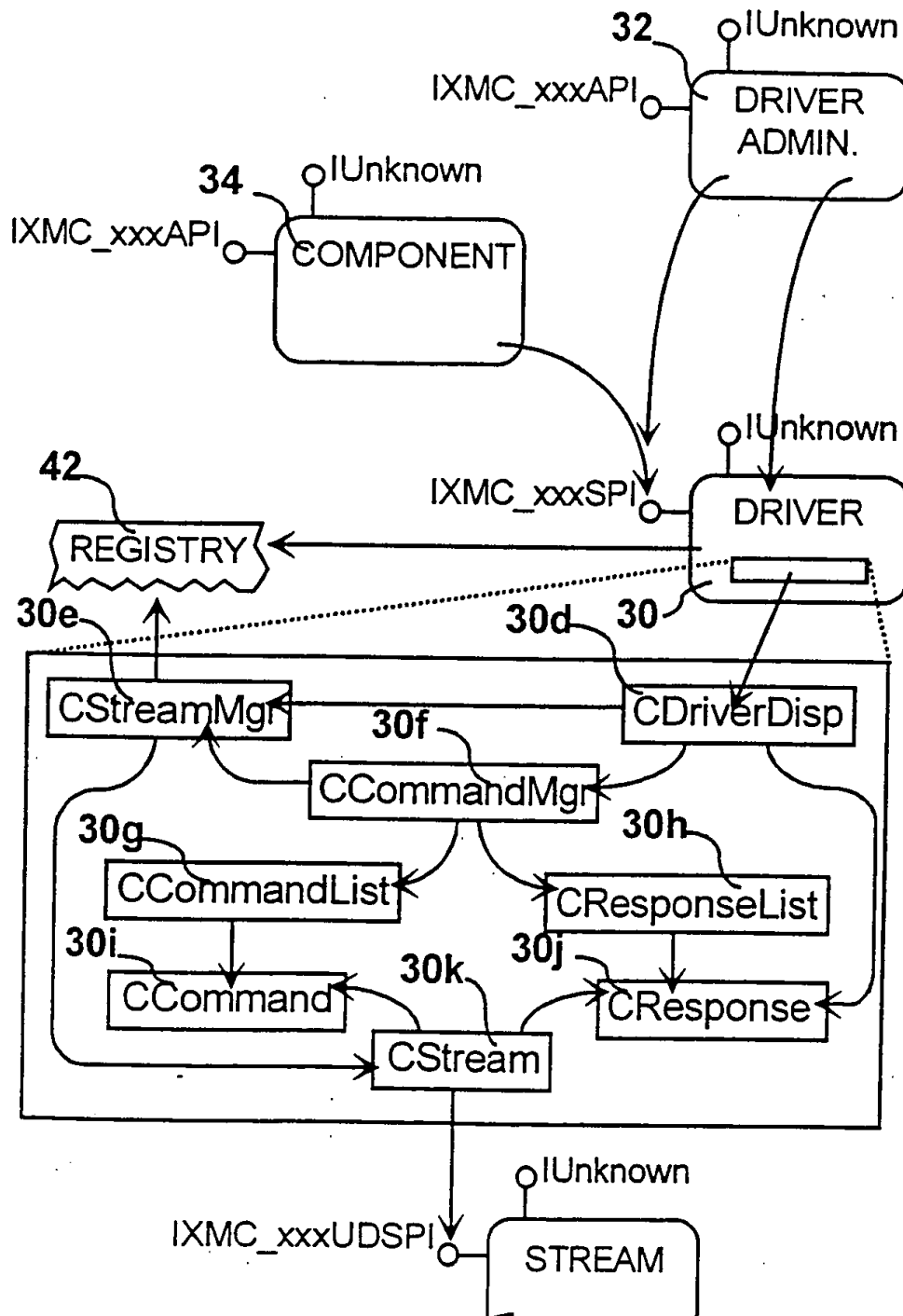
FIG. 10 CDriver class with XMCSPi table



09633533-080700

17/64

FIG. 12 Object Interaction-Map



[illegible]

The diagram illustrates a system architecture with the following components and connections:

- COMPONENT (34)**: Implements **IUnknown** and **IXMC_xxxAPI**. It is connected to the **DRIVER** via interface **1**.
- DRIVER (30)**: Implements **IUnknown** and **IXMC_xxxSPI**. It is connected to the **COMPONENT** via interface **1** and to the **REGISTRY (42)** via interface **2**. It also contains a sub-component **3**.
- REGISTRY (42)**: A database-like structure that interacts with the **DRIVER** via interface **2** and the **CStreamMgr** via interface **5**.
- DRIVER (30) Sub-components**:
 - CDriverDisp (30d)**: Connected to the **COMPONENT** via interface **1** and to the **CStreamMgr** via interface **4**.
 - CStreamMgr (30e)**: Connected to the **REGISTRY** via interface **5** and to the **CStream** via interface **6**.
 - CCommandMgr (30f)**: Connected to the **CStreamMgr** via interface **30f** and to the **CResponseList** via interface **8**.
 - CCommandList (30g)**: Connected to the **CCommandMgr** via interface **9** and to the **CStream** via interface **10**.
 - CResponseList (30h)**: Connected to the **CCommandMgr** via interface **8** and to the **CStream** via interface **10**.
 - CStream (30k)**: Connected to the **CStreamMgr** via interface **6** and to the **STREAM** via interface **7**.
- STREAM (28)**: Implements **IUnknown** and **IXMC_xxxUDSPI**. It is connected to the **CStream** via interface **7**.

FIG. 19 Scenario-Map - Command Operations

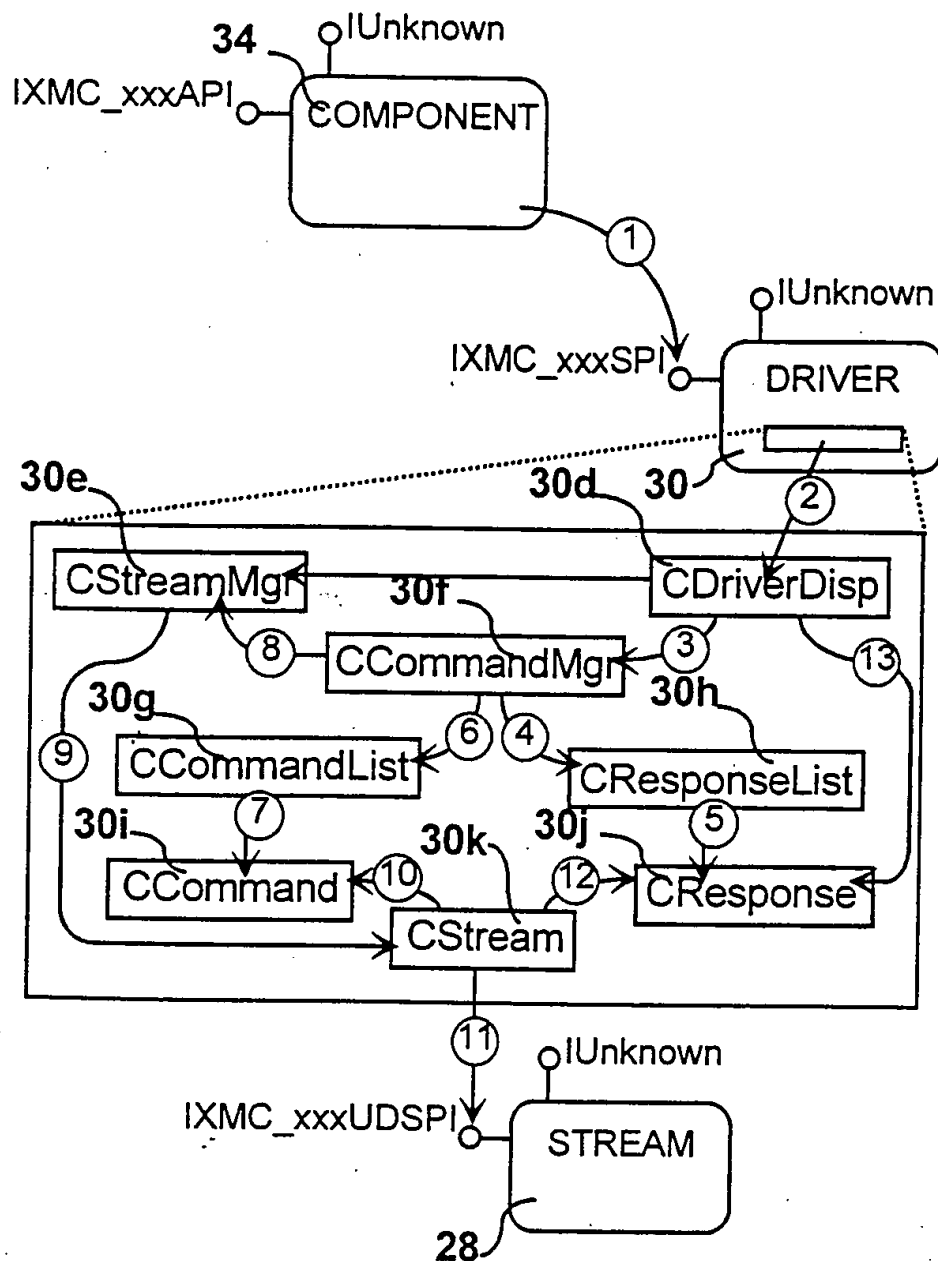
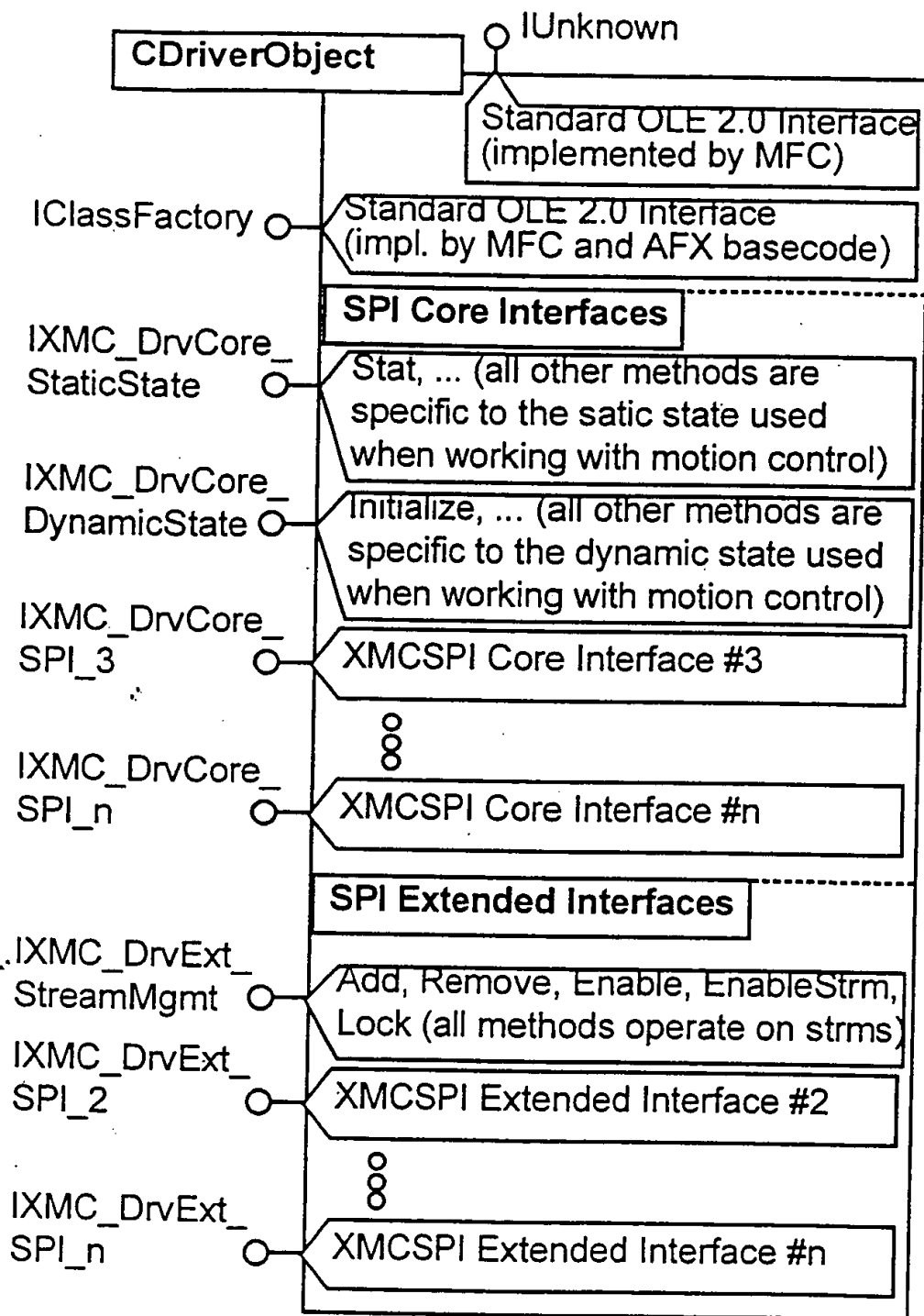
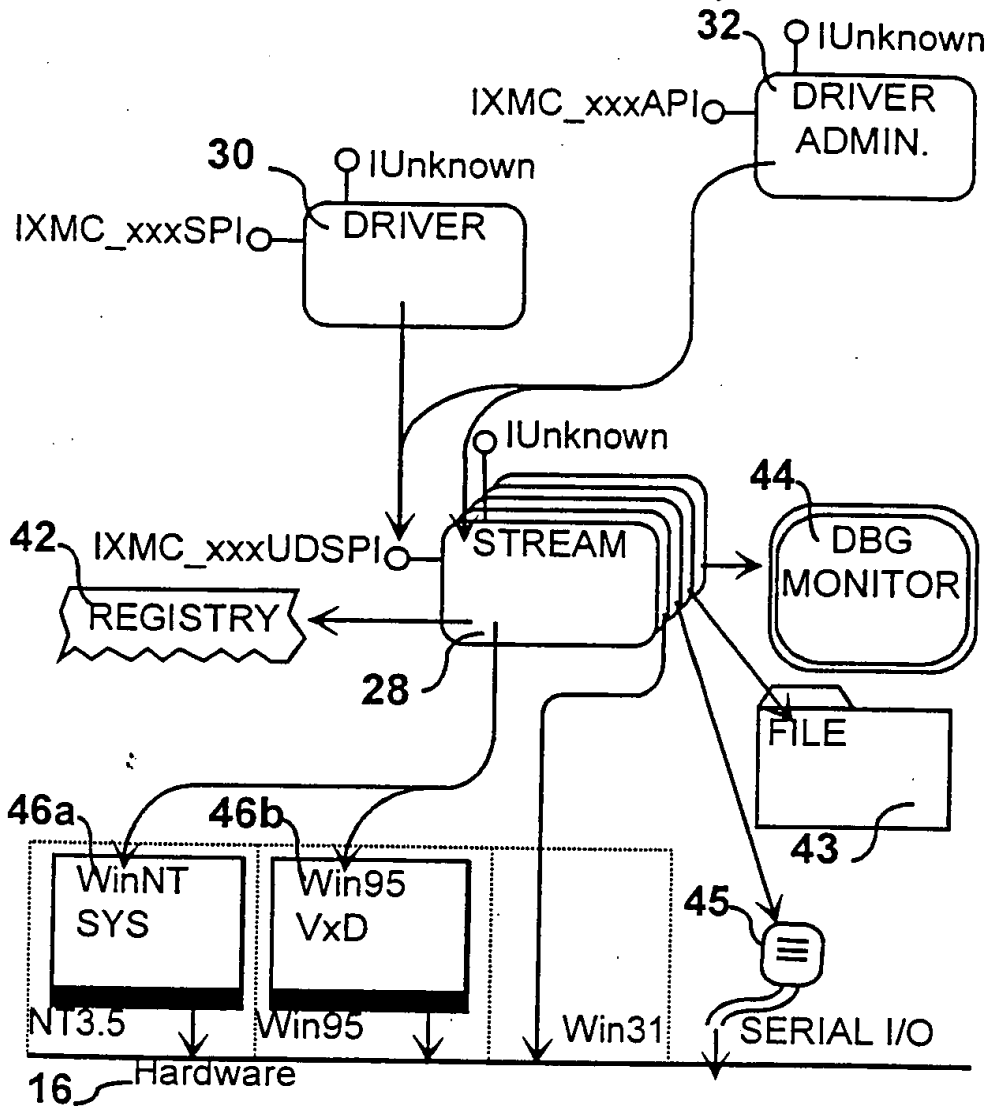


FIG. 21 Interface-Map



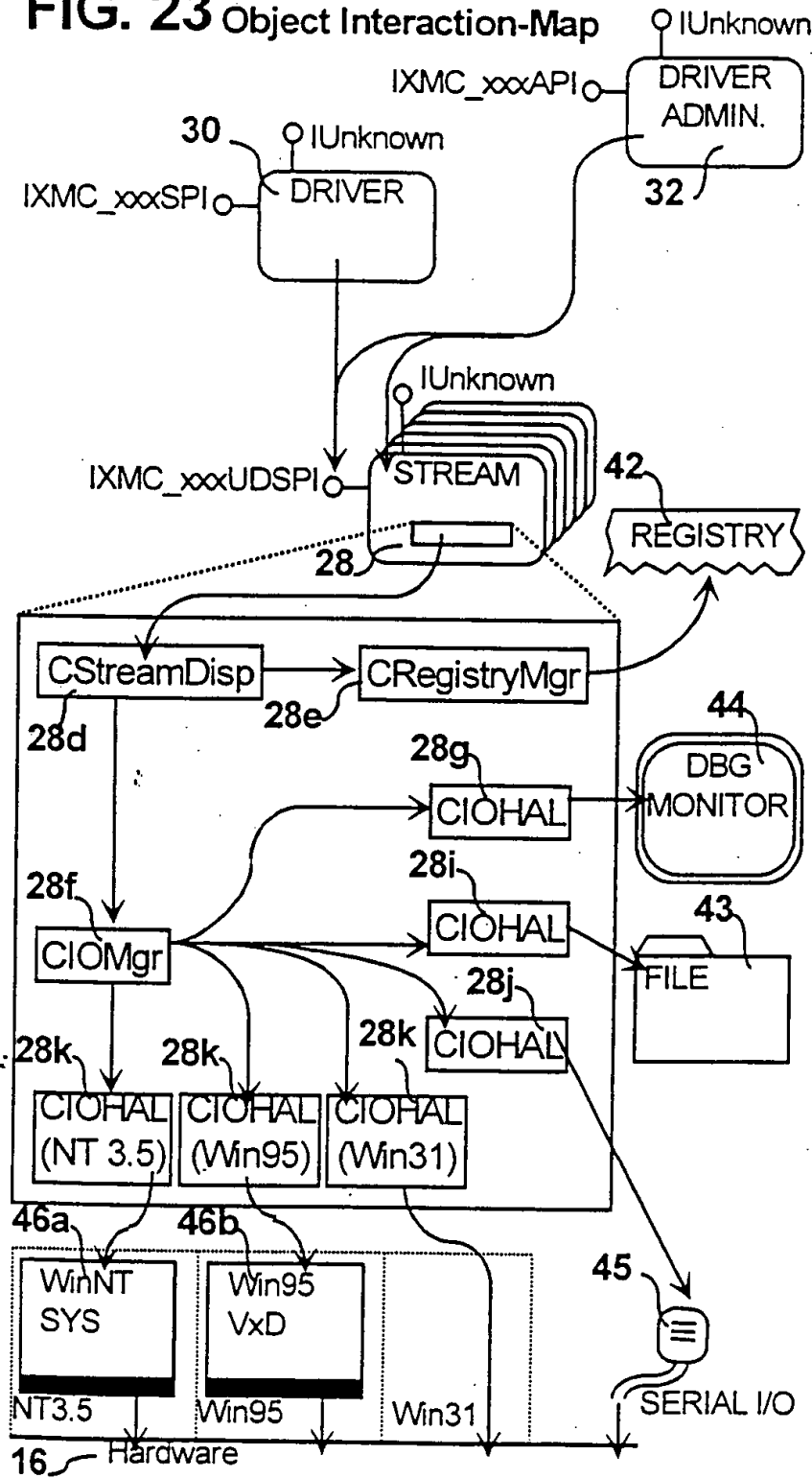
24/64

FIG. 22 Module Interaction-Map



00/030-2292-960

FIG. 23 Object Interaction-Map



002030-22999990

FIG. 24 Scenario-Map - Initialization

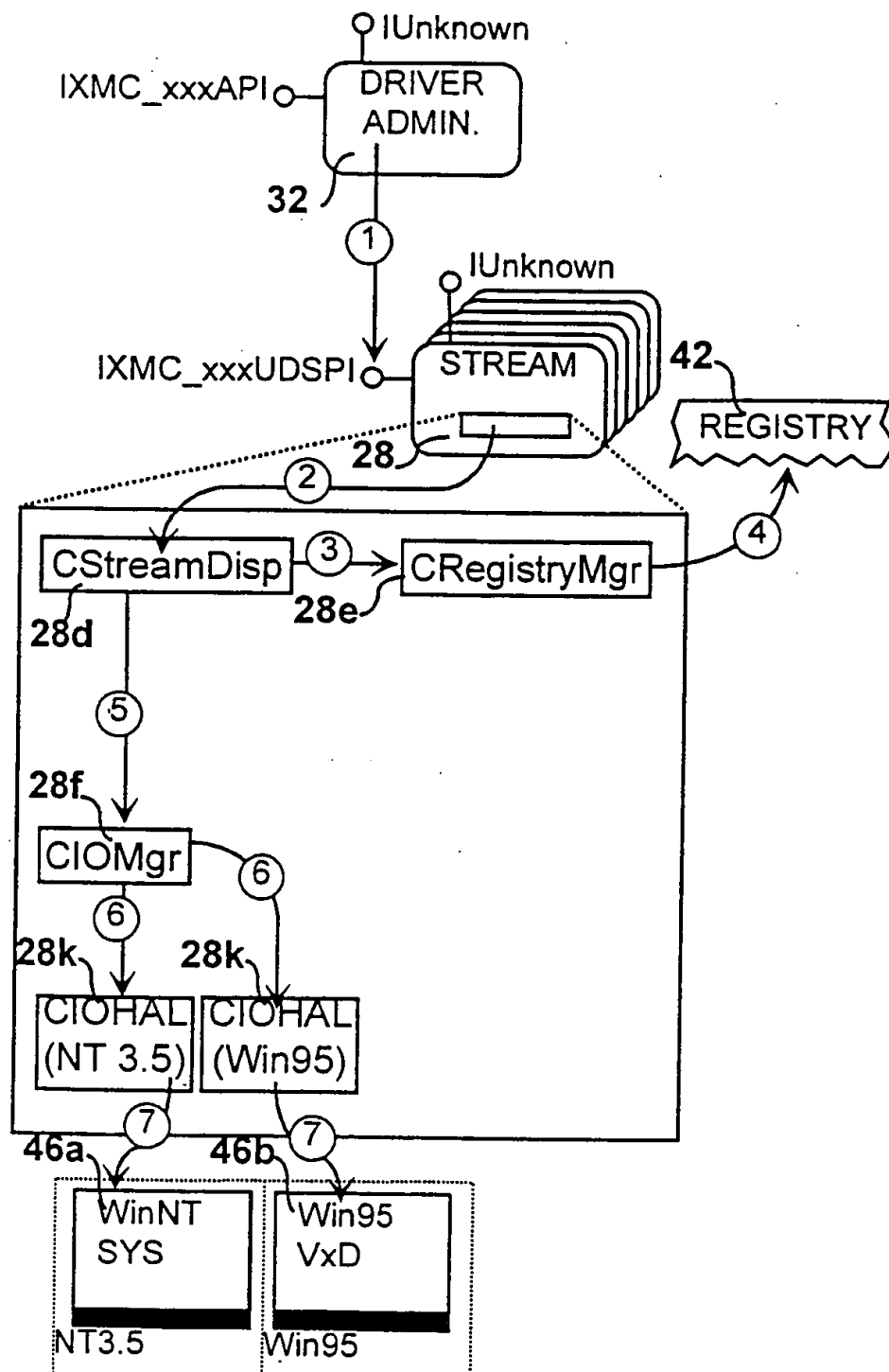


FIG. 25 Scenario-Map - Registration

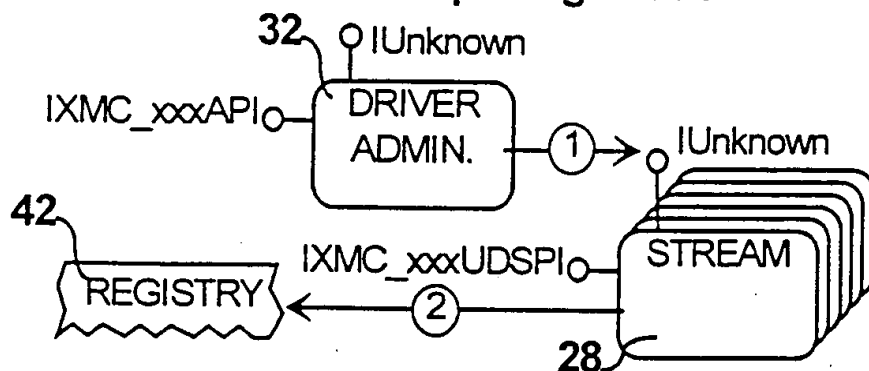
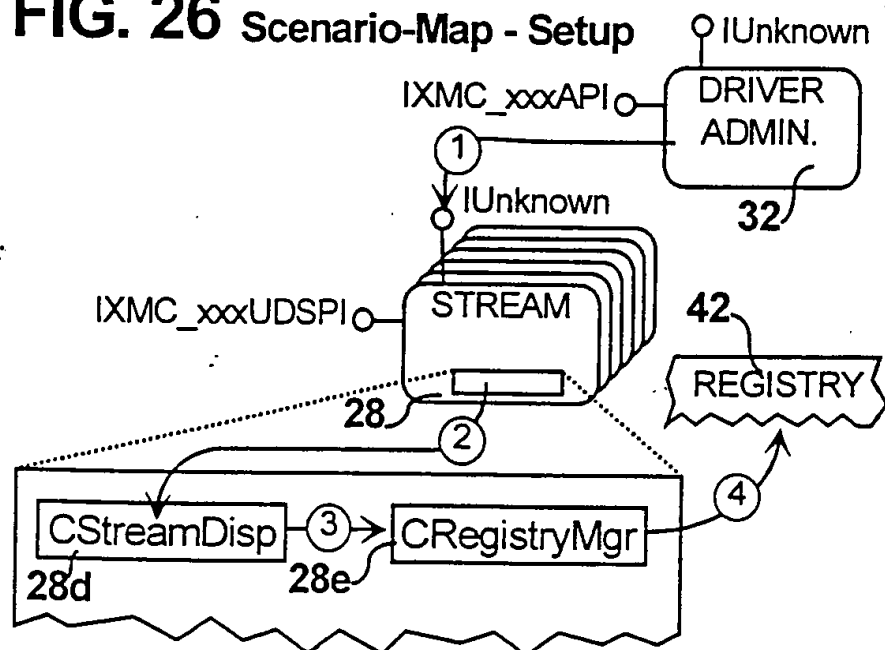


FIG. 26 Scenario-Map - Setup 🔒 Unknown



28/64

FIG. 27 Scenario-Map - Clean-up

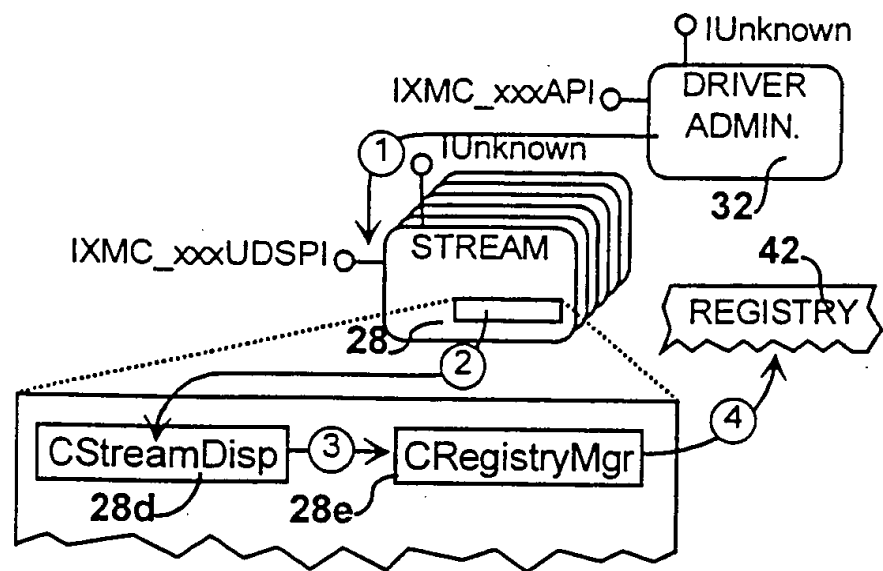
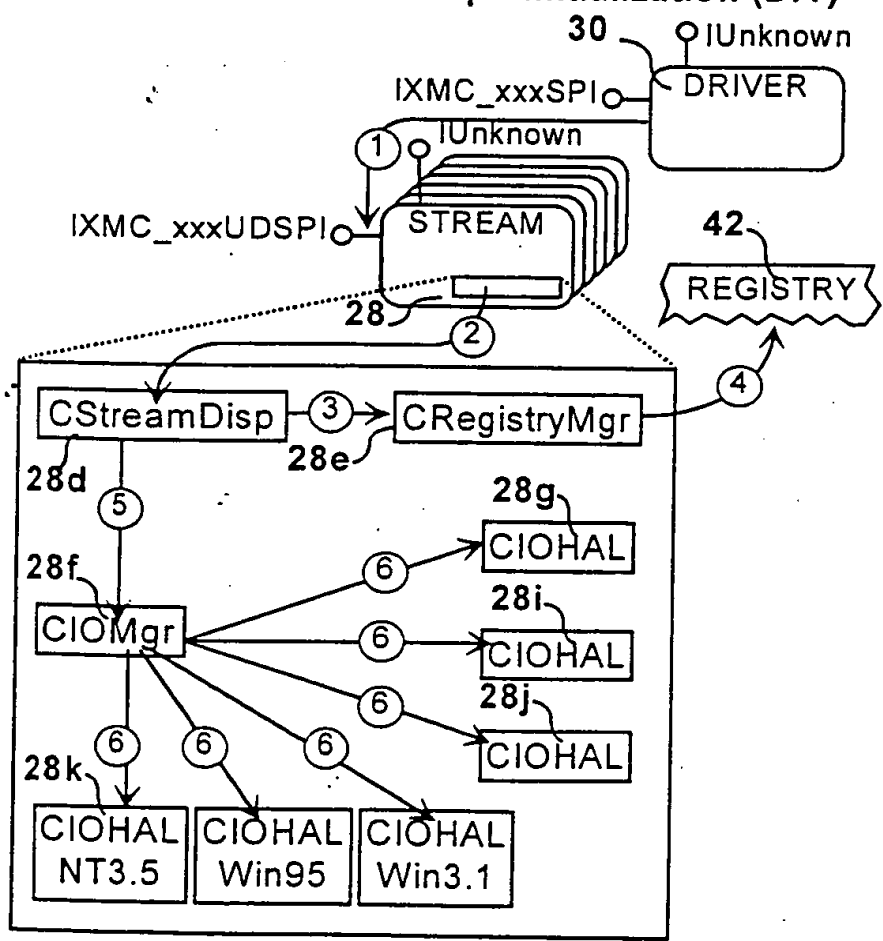
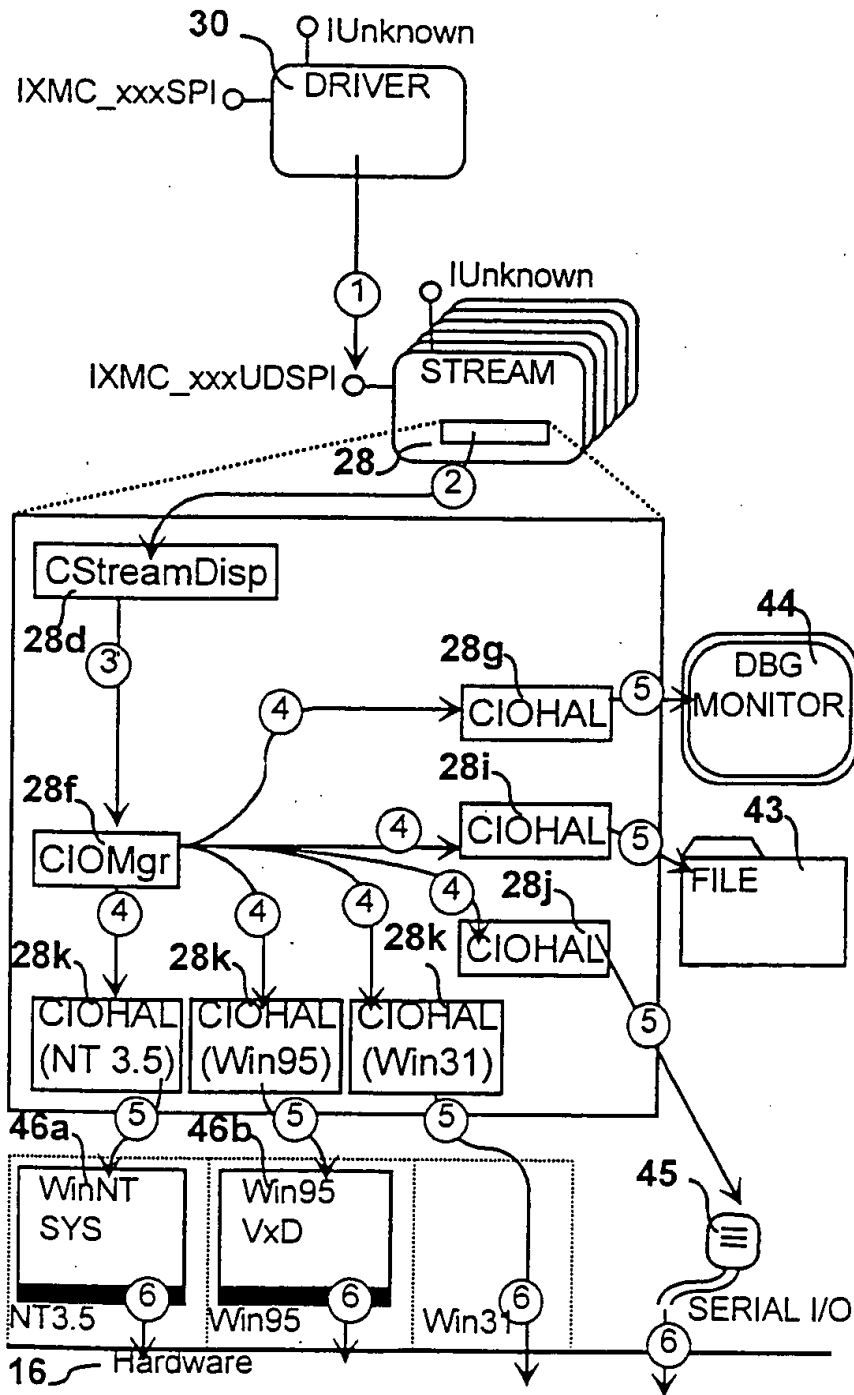


FIG. 28 Scenario-Map - Initialization (Drv)



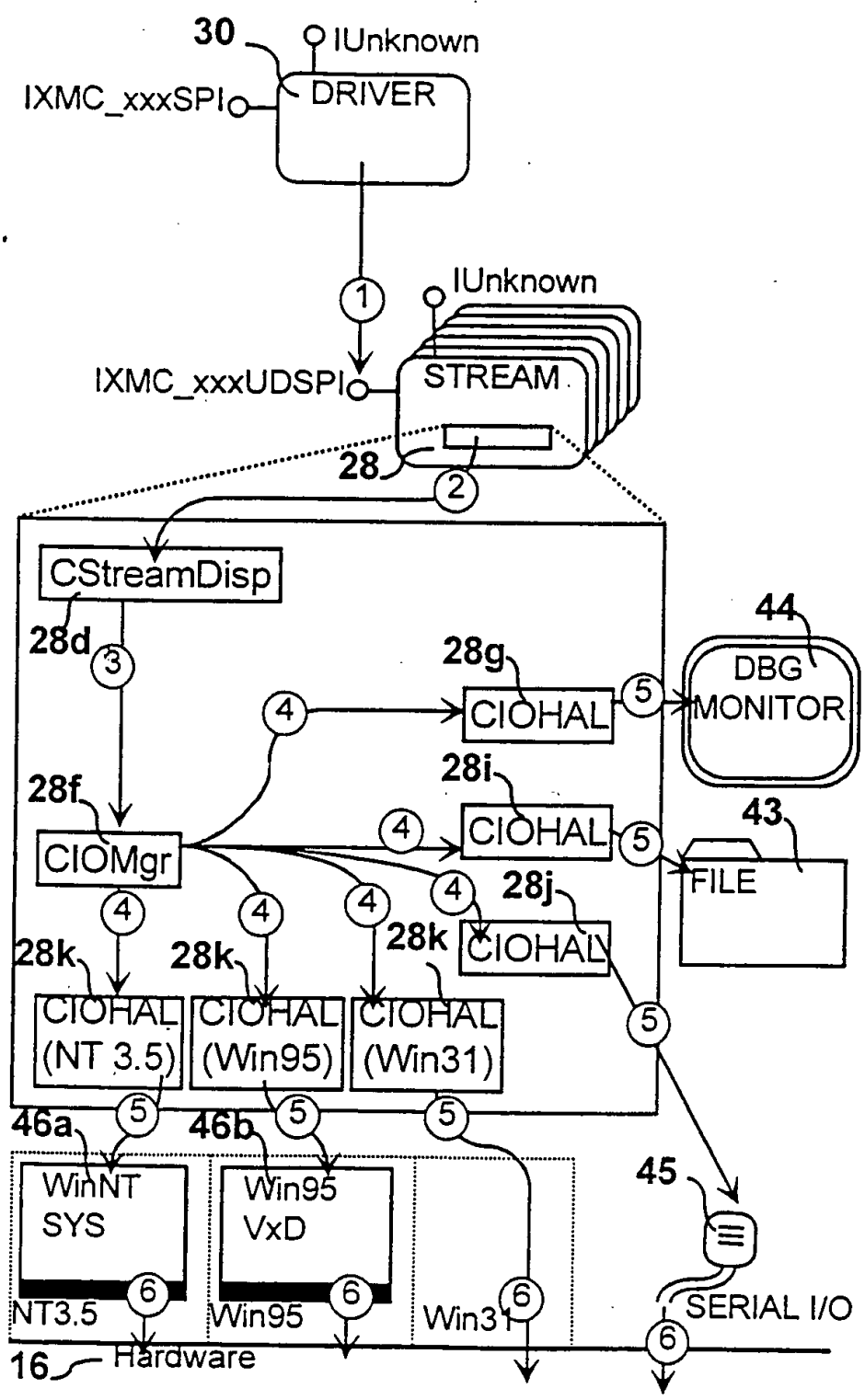
30/64

FIG. 30 Scenario-Map - Writing Data



002060-00000000

FIG. 32 Scenario-Map - Clean-up (Drv)



002030-EE9E960

FIG. 33 Interface-Map

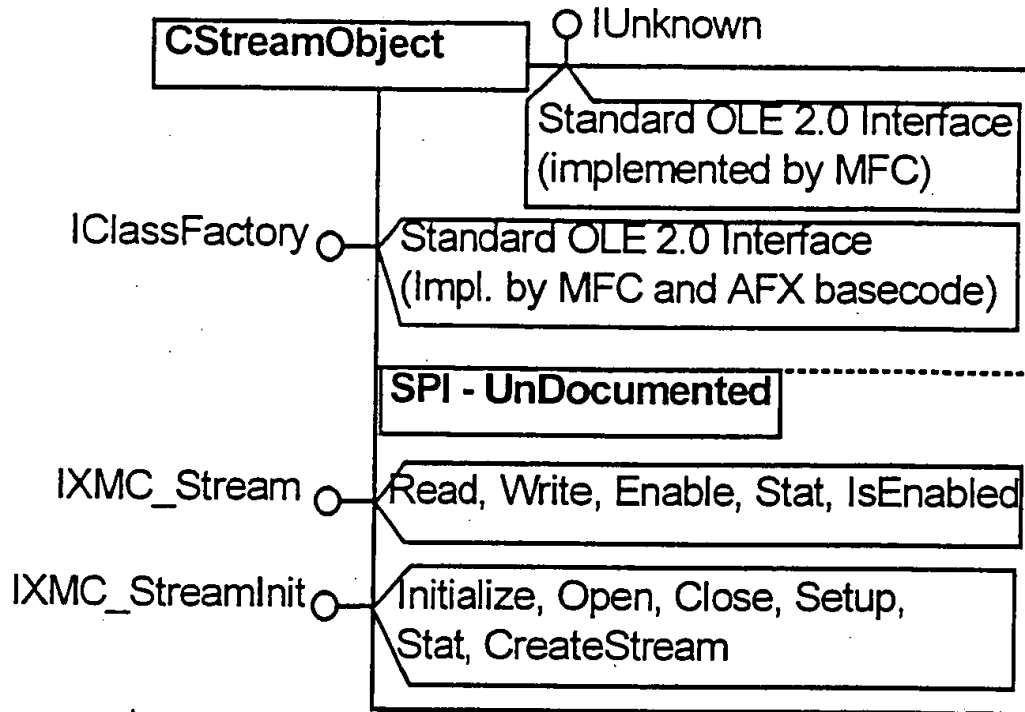


FIG. 34 Module Interaction-Map.

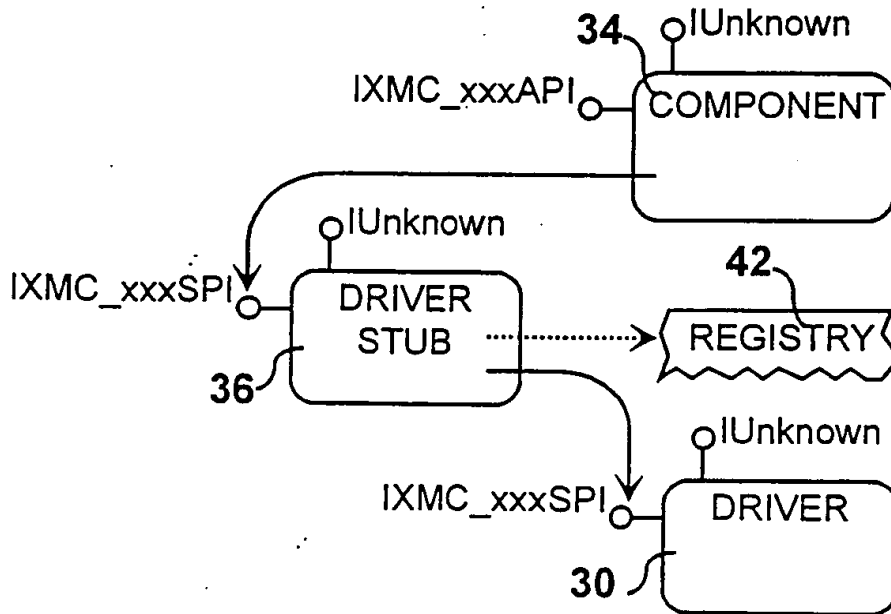
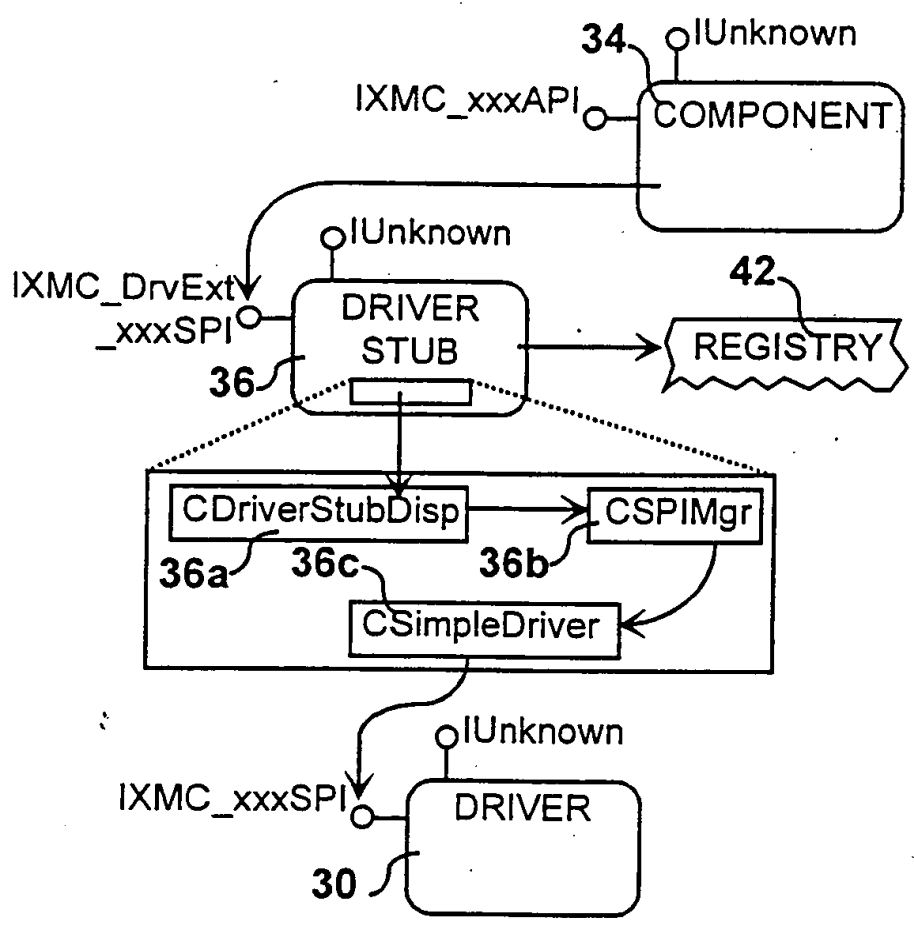
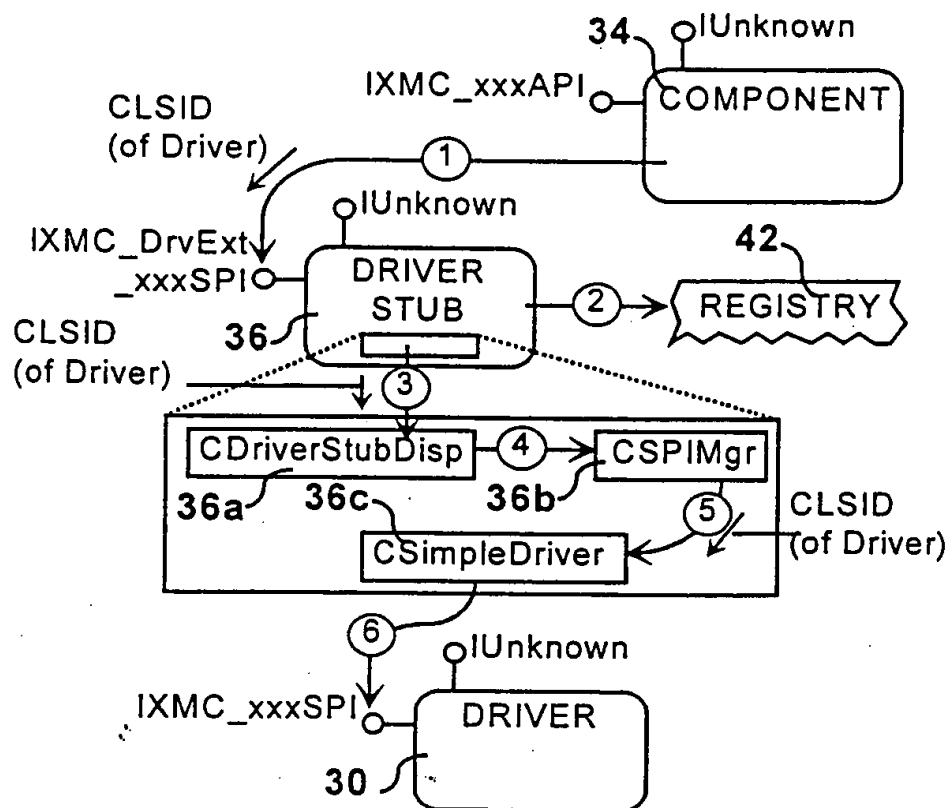


FIG. 35 Object Interaction-Map



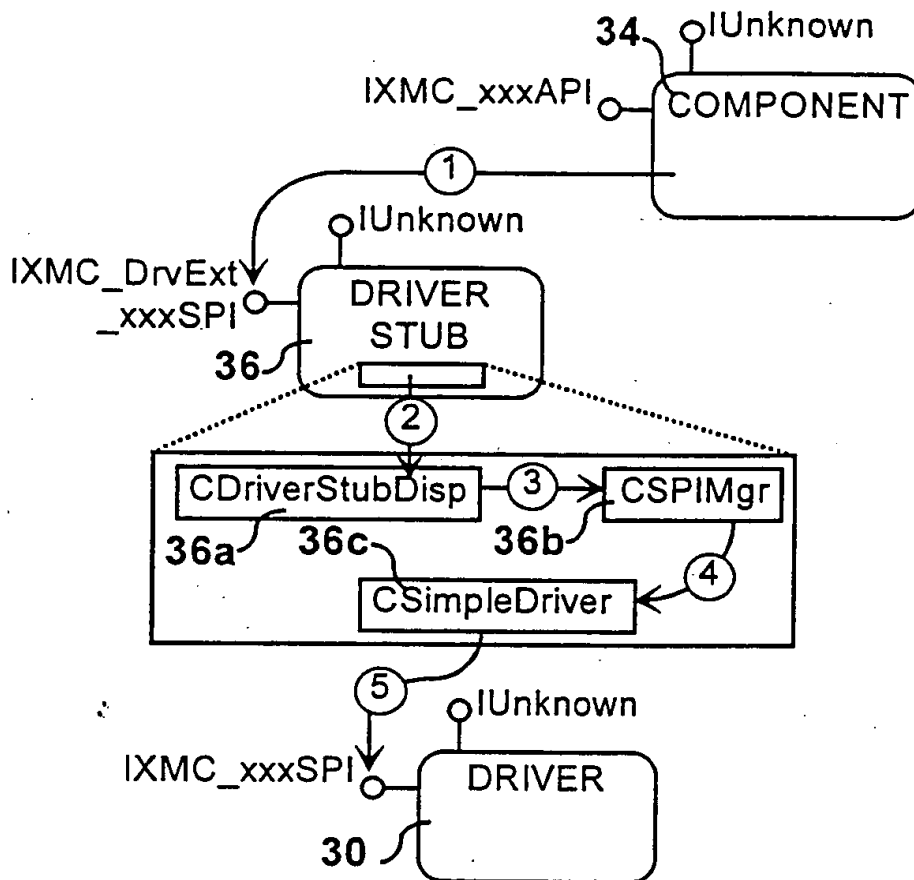
002080-EE9E96

FIG. 36 Scenario-Map - Initialization



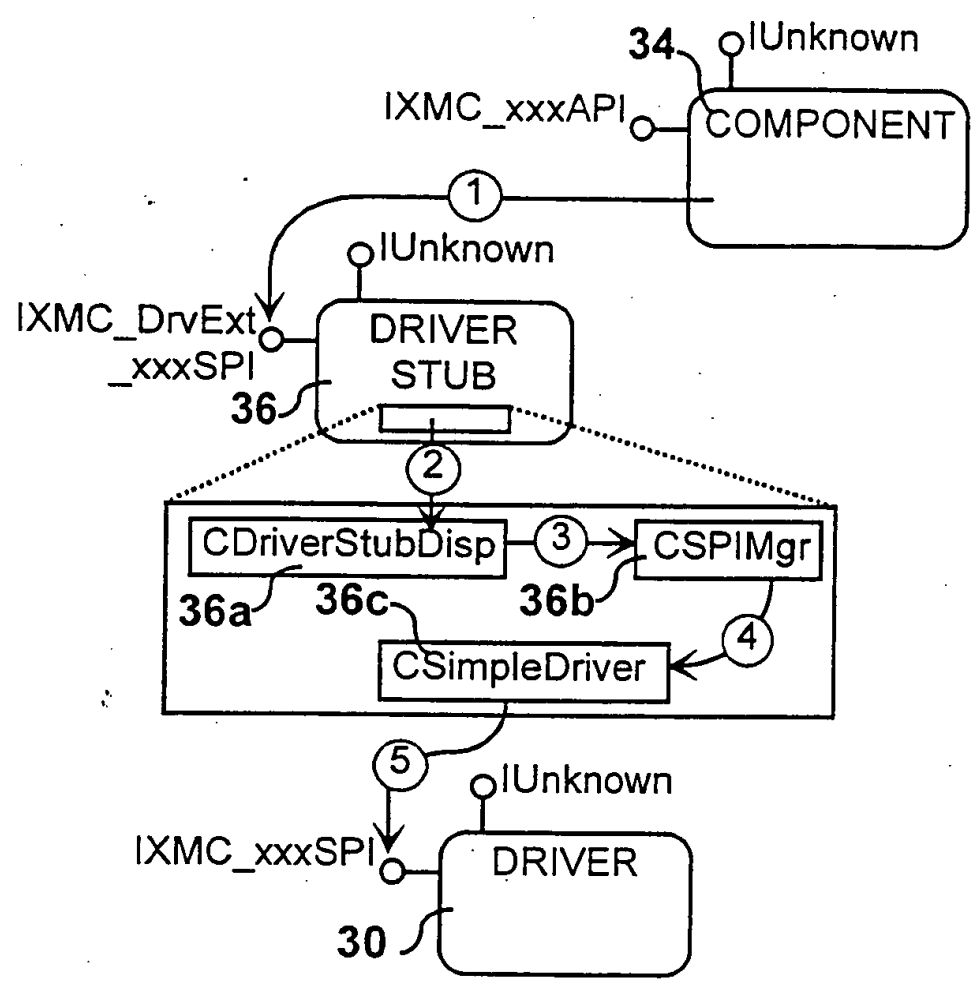
002080-EE9EE960

FIG. 37 Scenario-Map - Operations



002080-EE9EE960

FIG. 38 Scenario-Map - Clean-up



002080-EE5E960

FIG. 39 Interface-Map

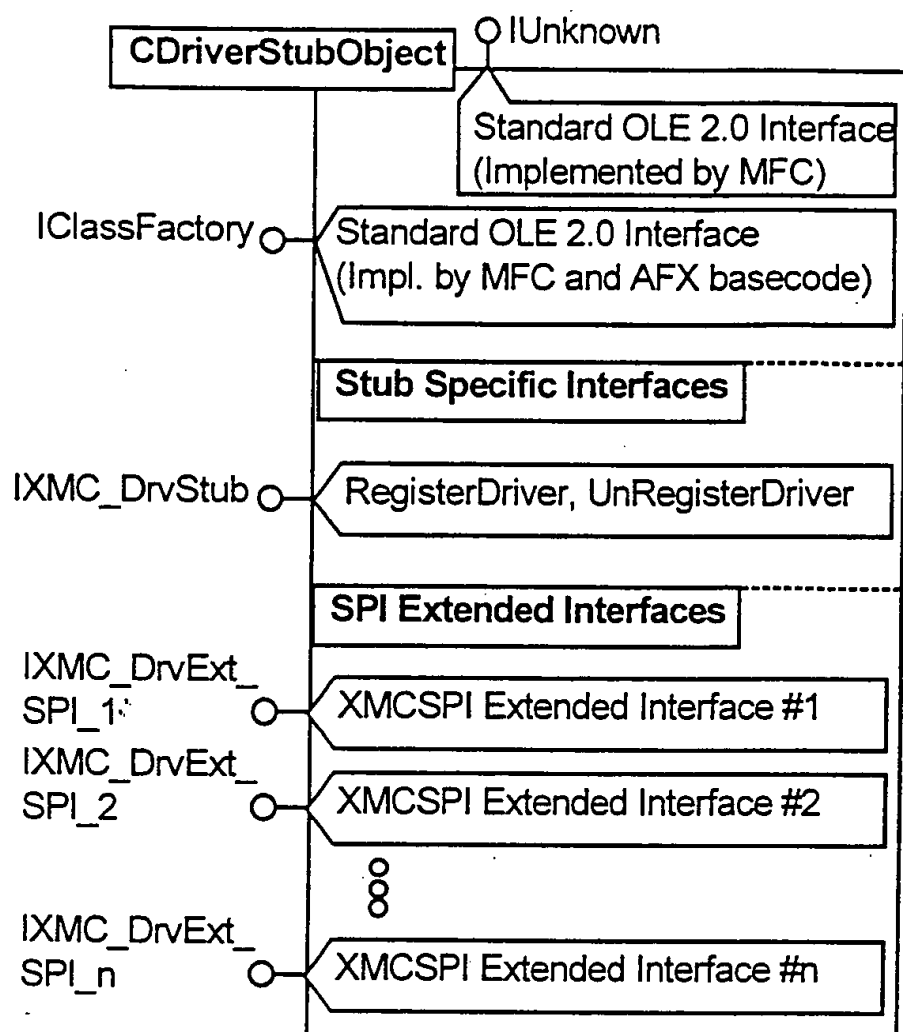
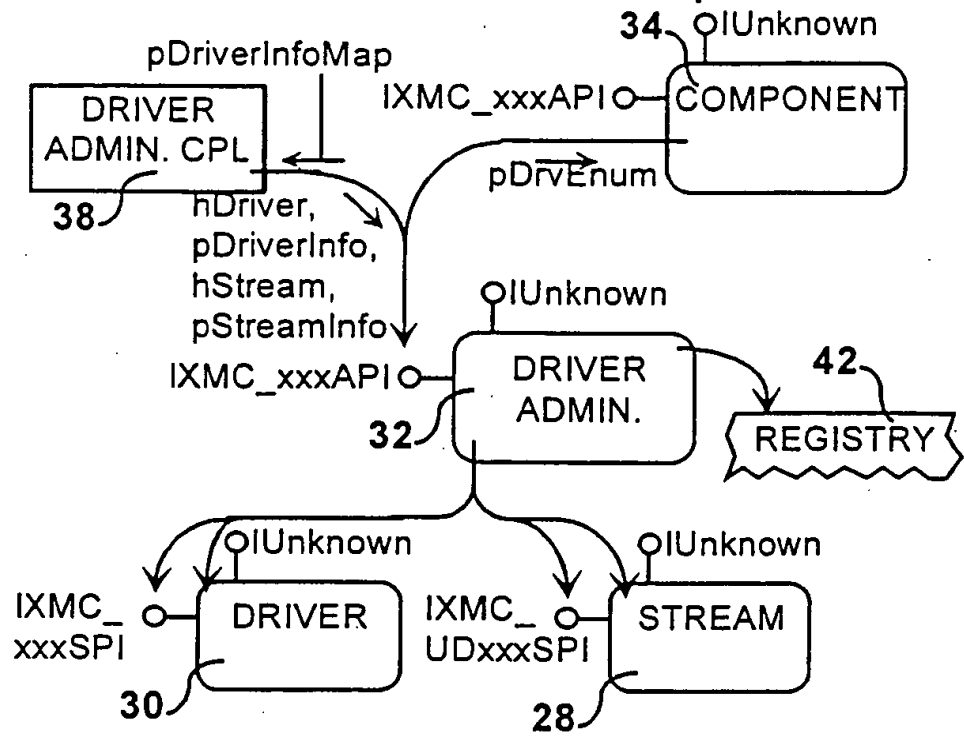
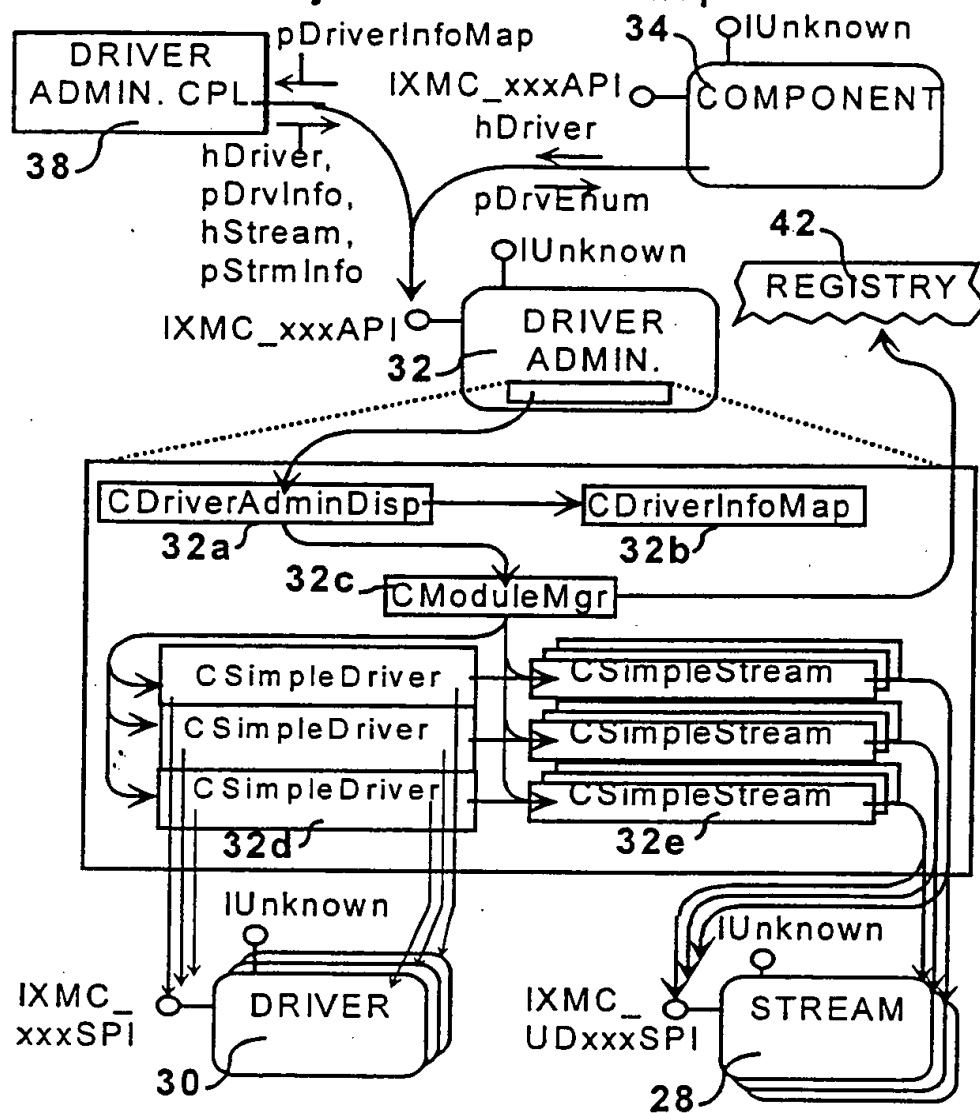


FIG. 40 Module Interaction-Map

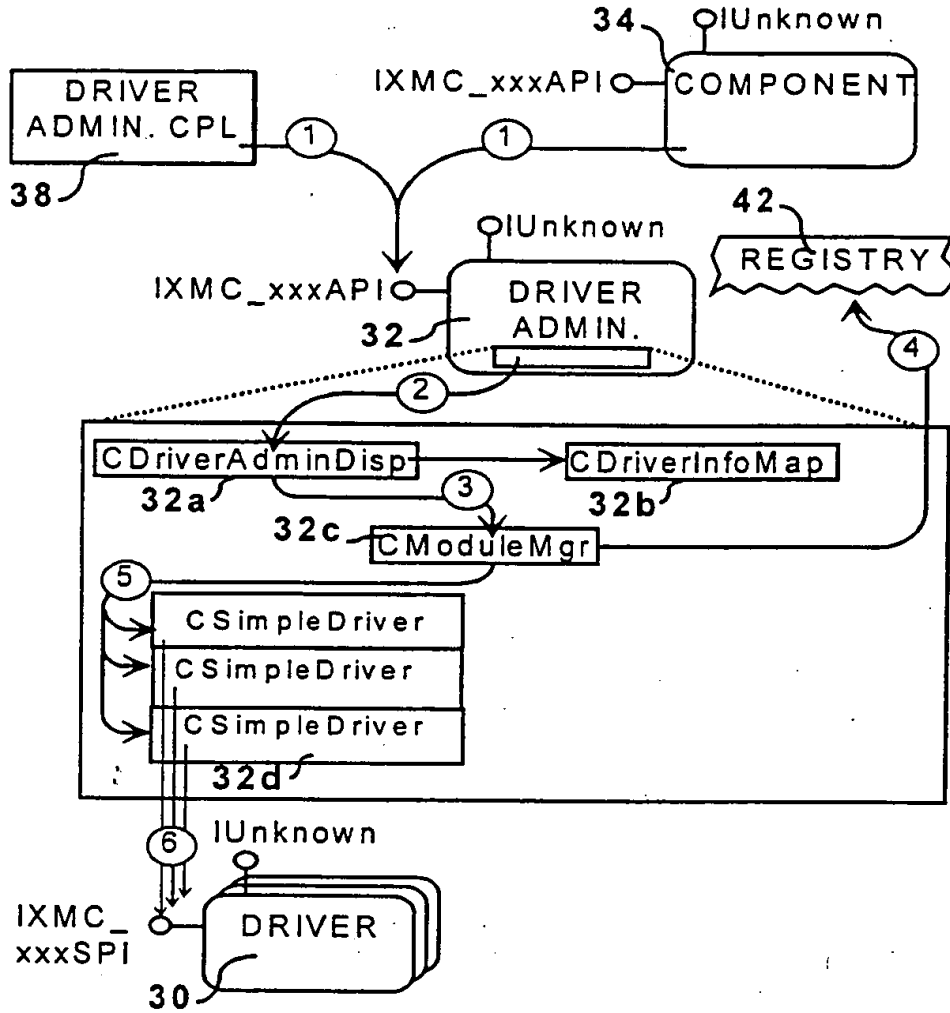


002080-EE9E96

[illegible]

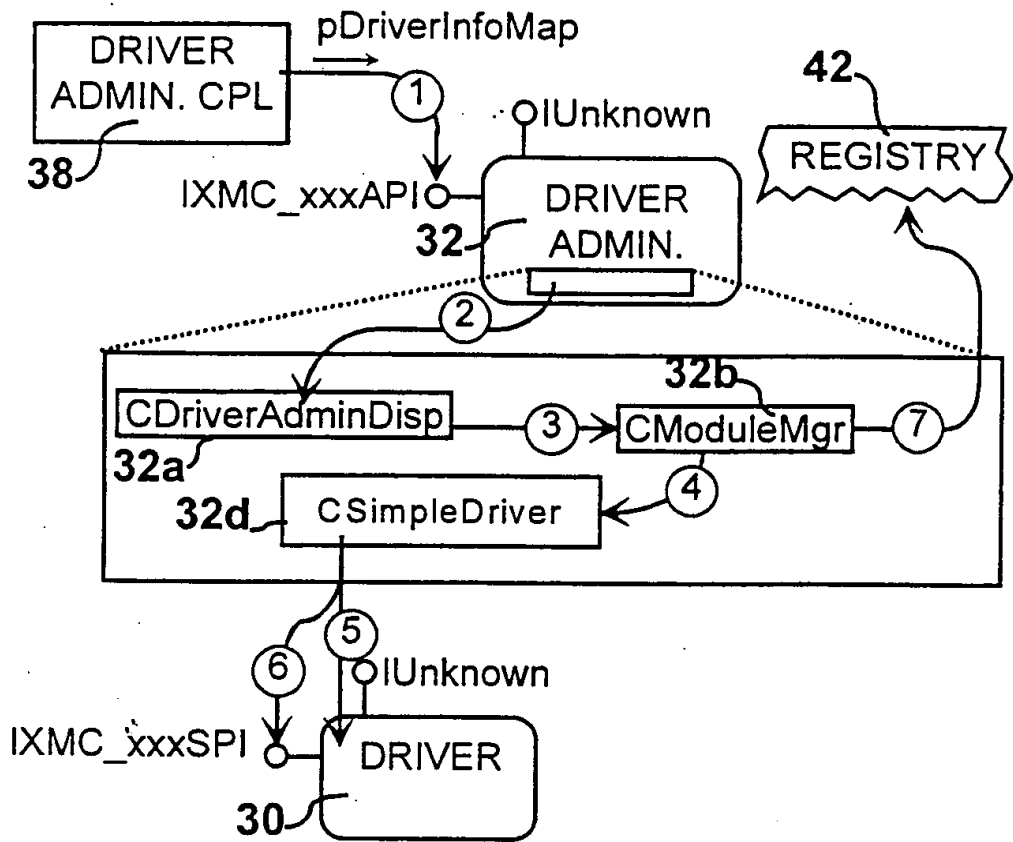
41/64

FIG. 42 Scenario-Map - Initialization



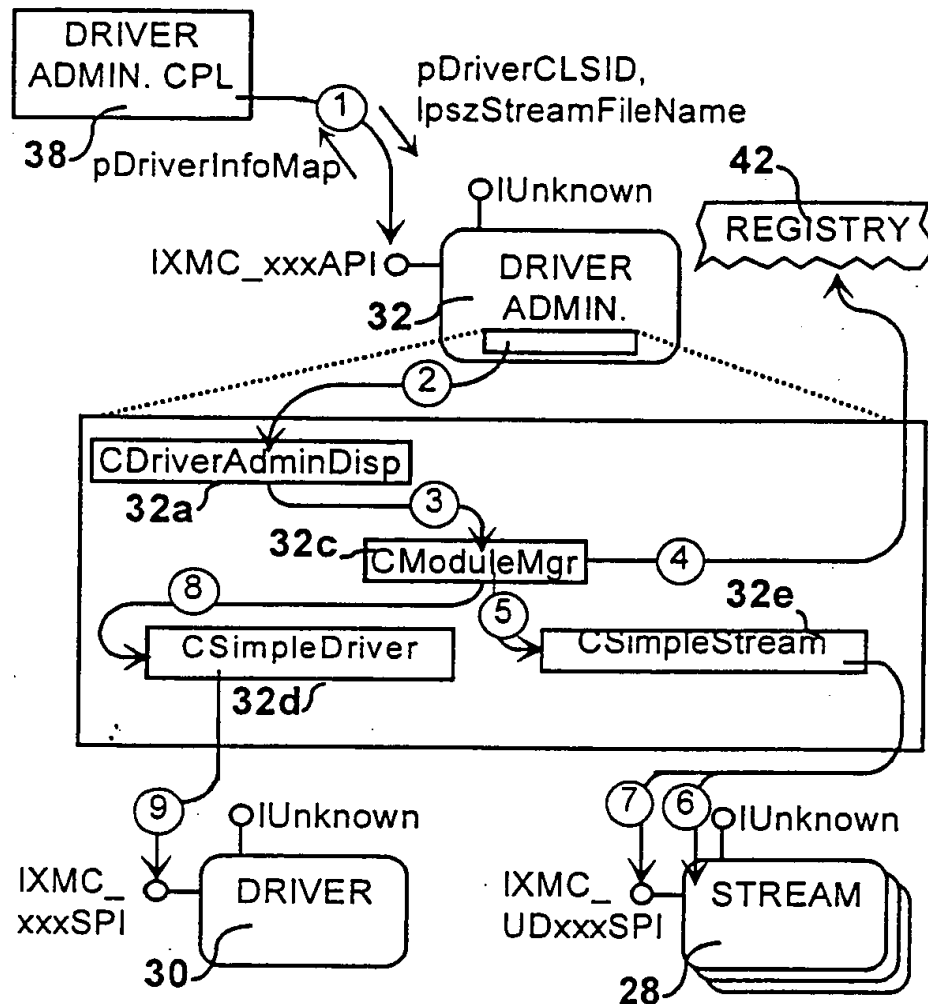
00/000-EE9E9E0

FIG. 43 Scenario-Map - Registering a Driver



002030-EE9EE900

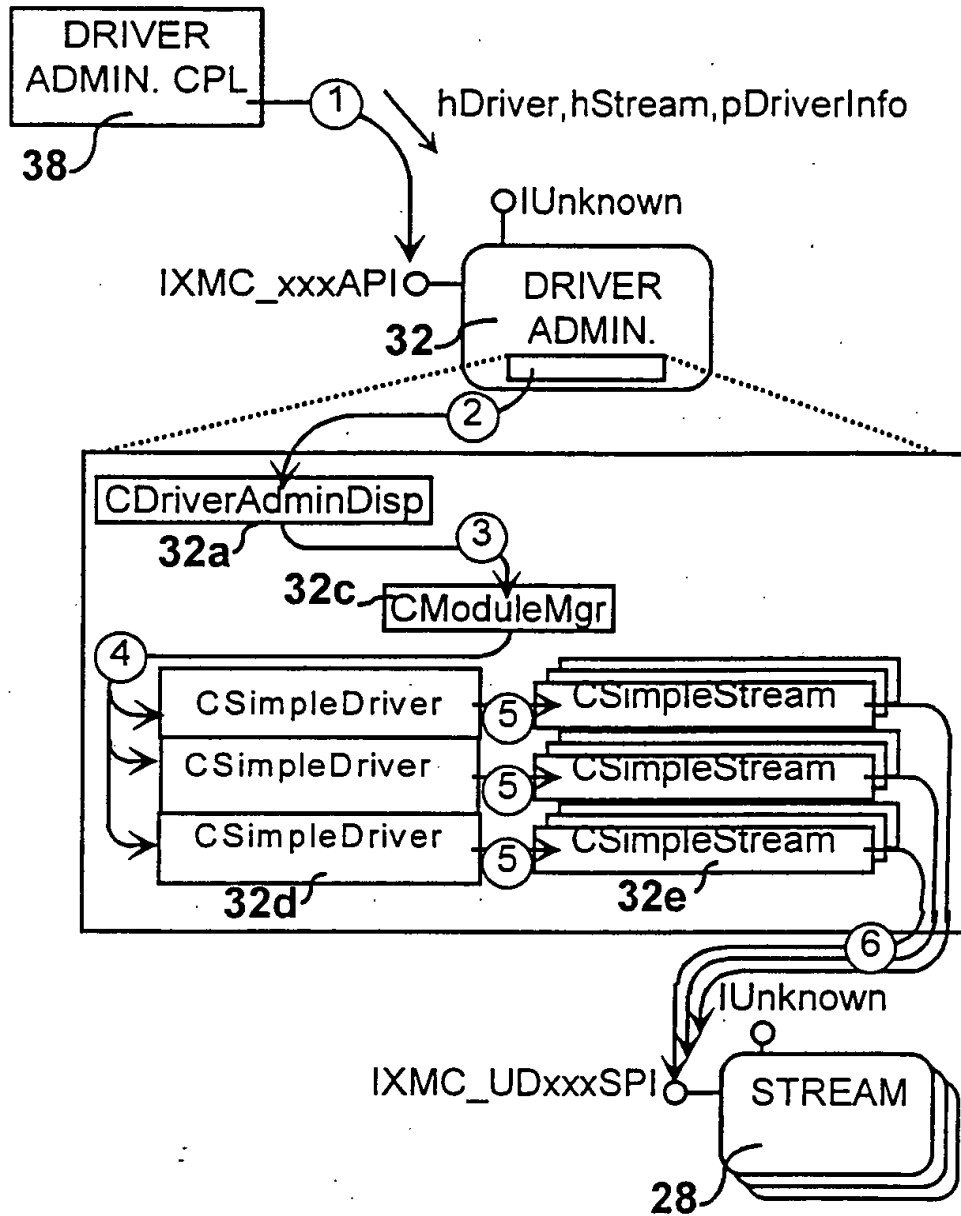
FIG. 44 Scenario-Map - Registering a Stream



002030-EE9EE960

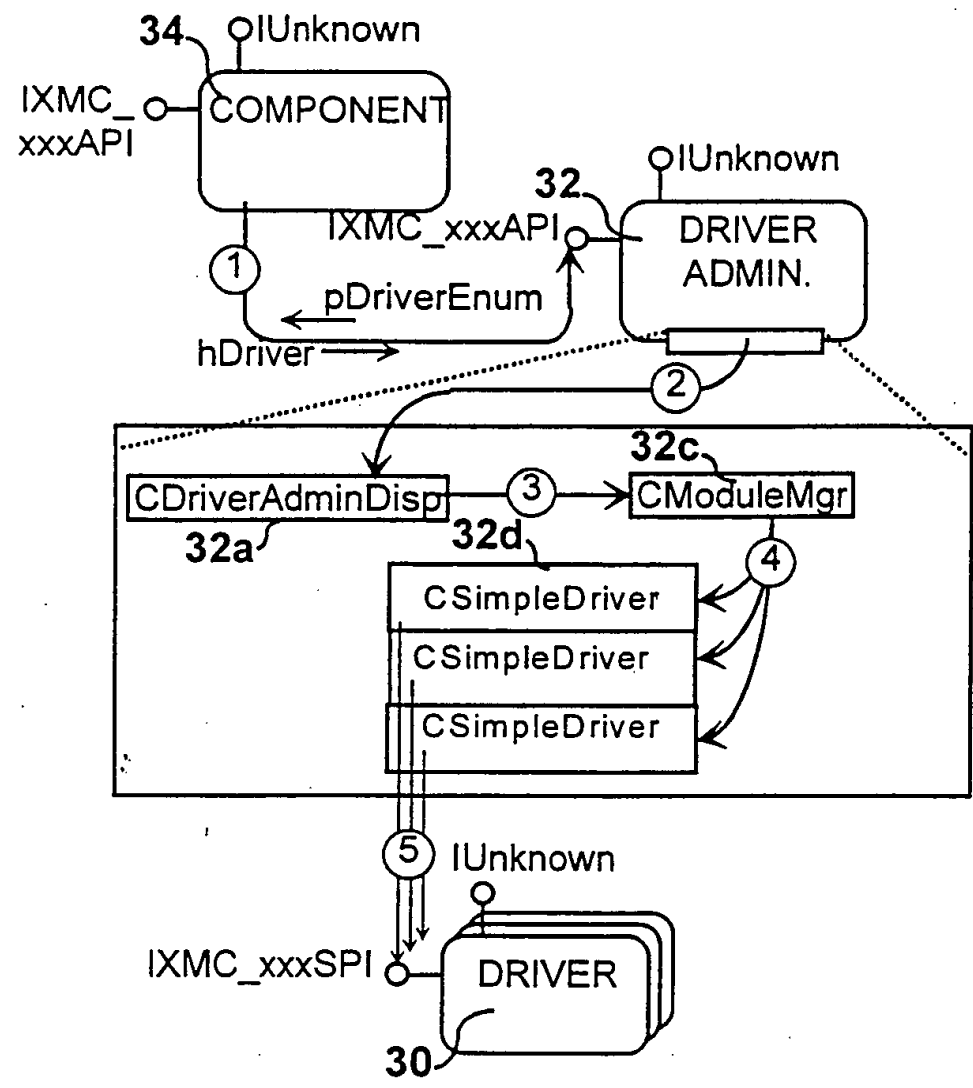
45/64

FIG. 46 Scenario-Map - Setting Stream Info.



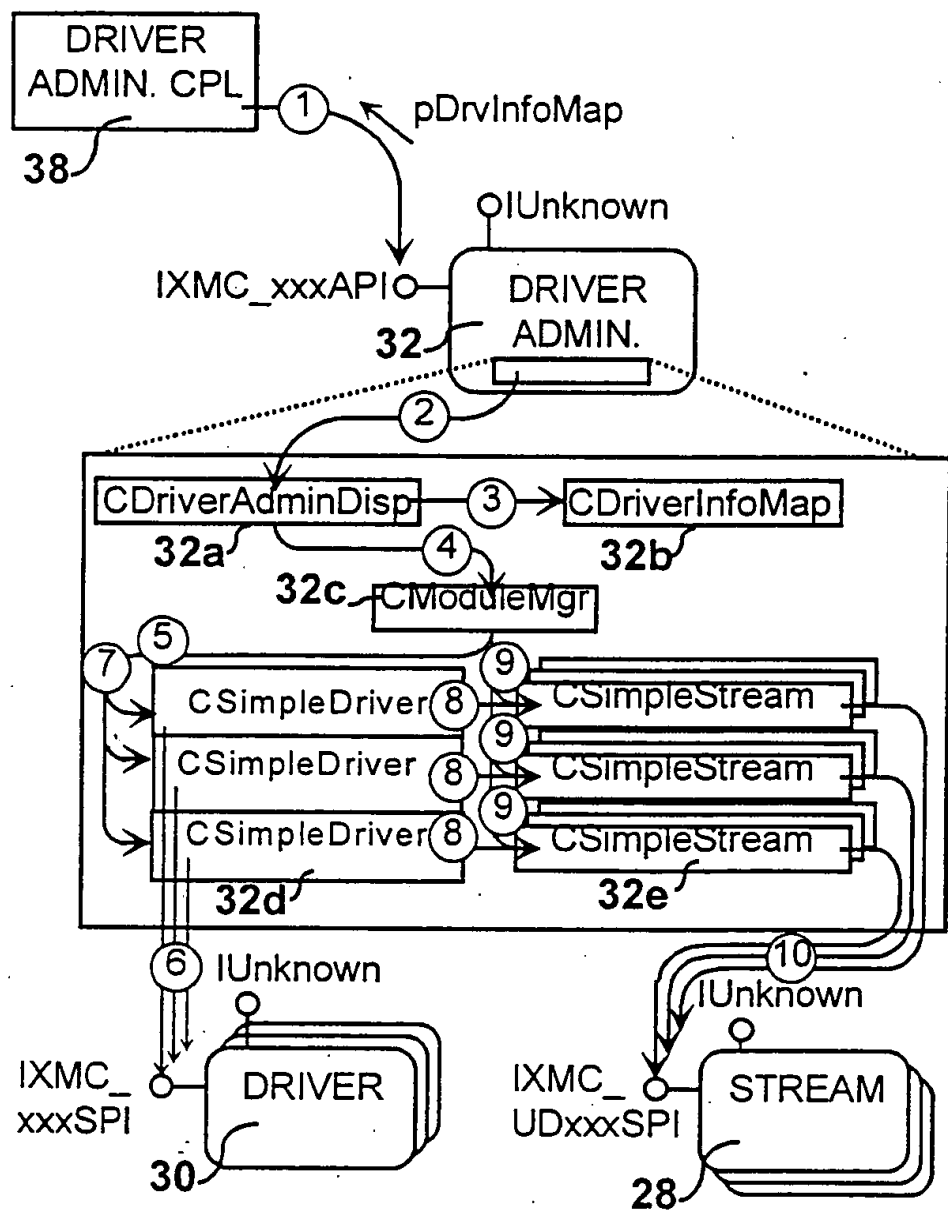
00633633-080700

FIG. 47 Scenario-Map - Querying Driver Enum.



002030-EE9E960

FIG. 48 Scenario-Map - Querying Drv Info. Map



000000-000000

FIG. 49 Scenario-Map - Clean-up

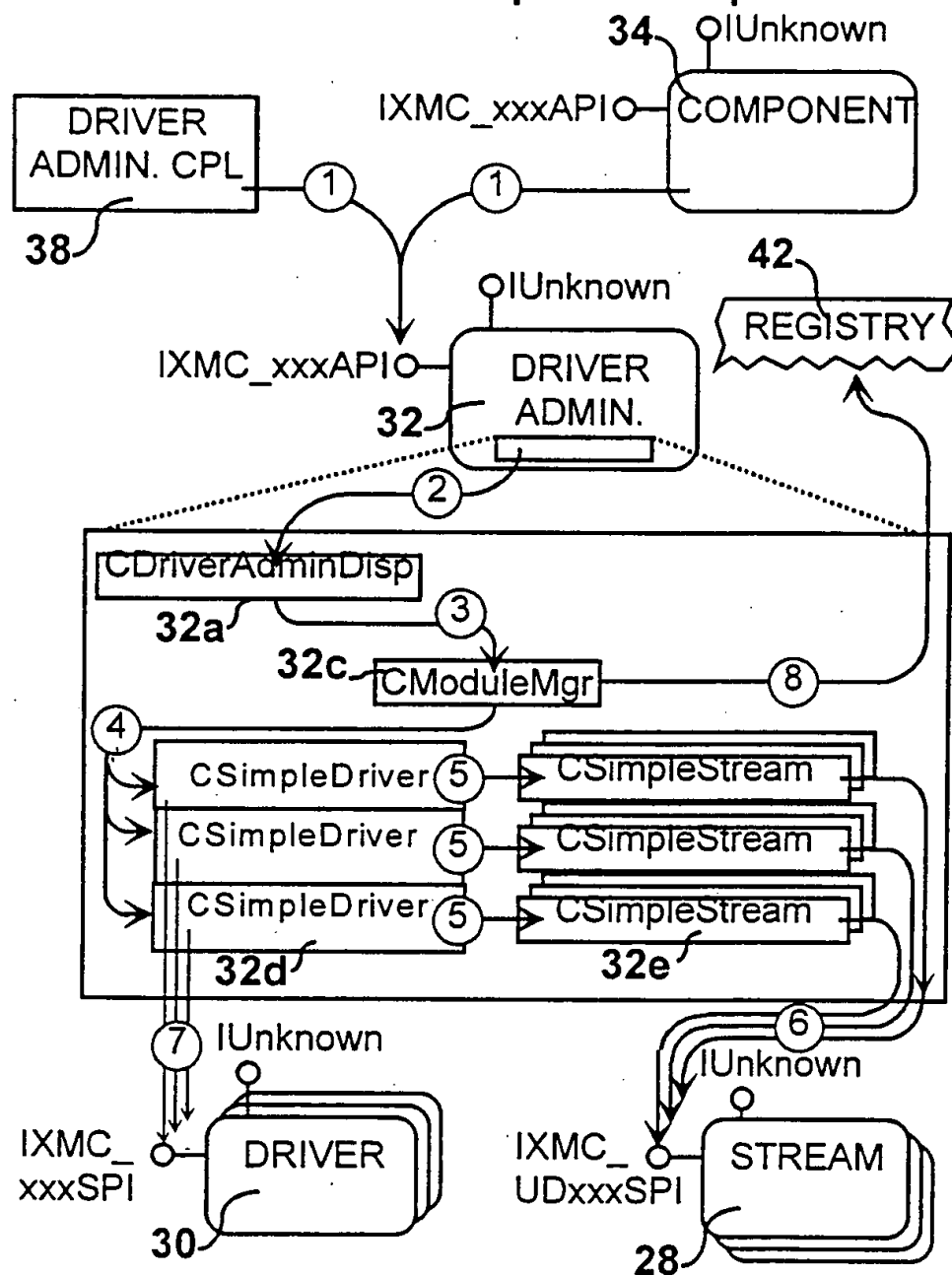


FIG. 50 Interface-Map.

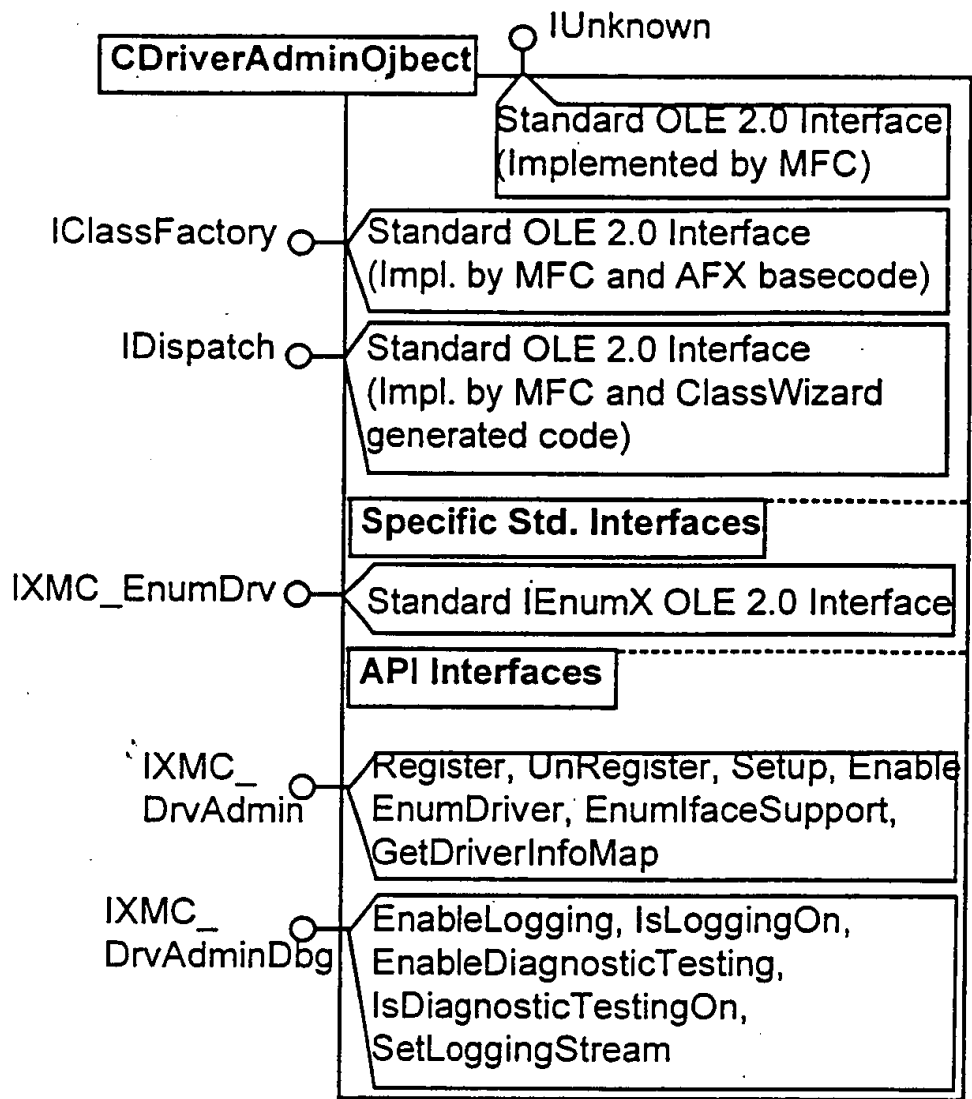
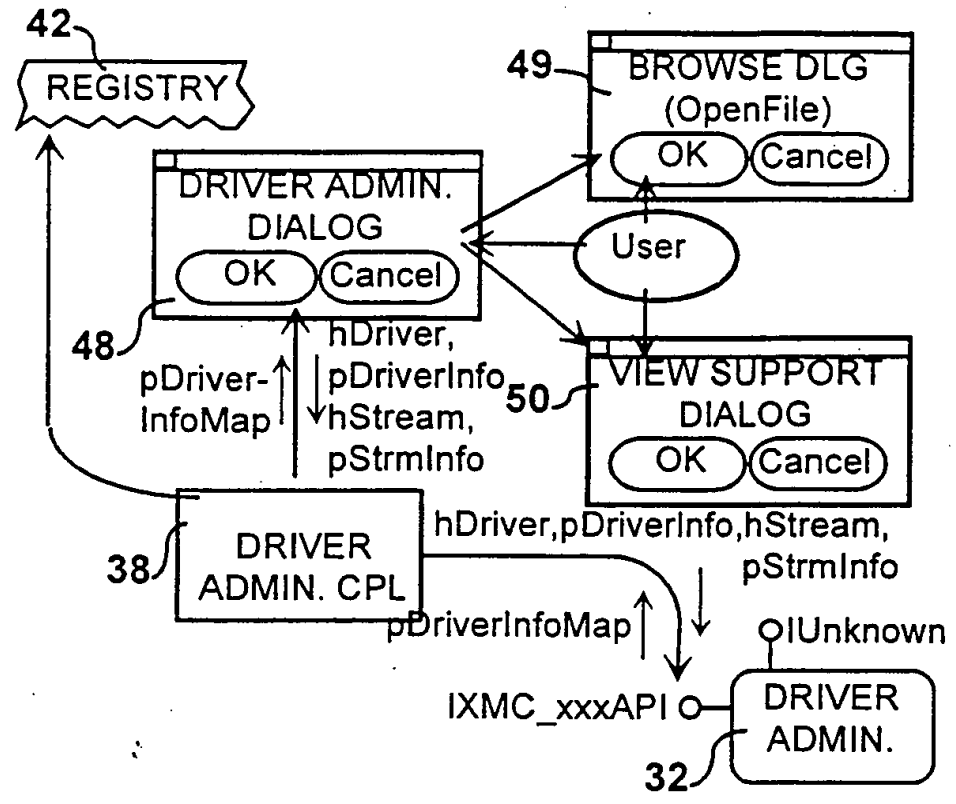


FIG. 51 Module Interaction-Map



002080-EE2E900

51/64

FIG. 52 Object Interaction-Map

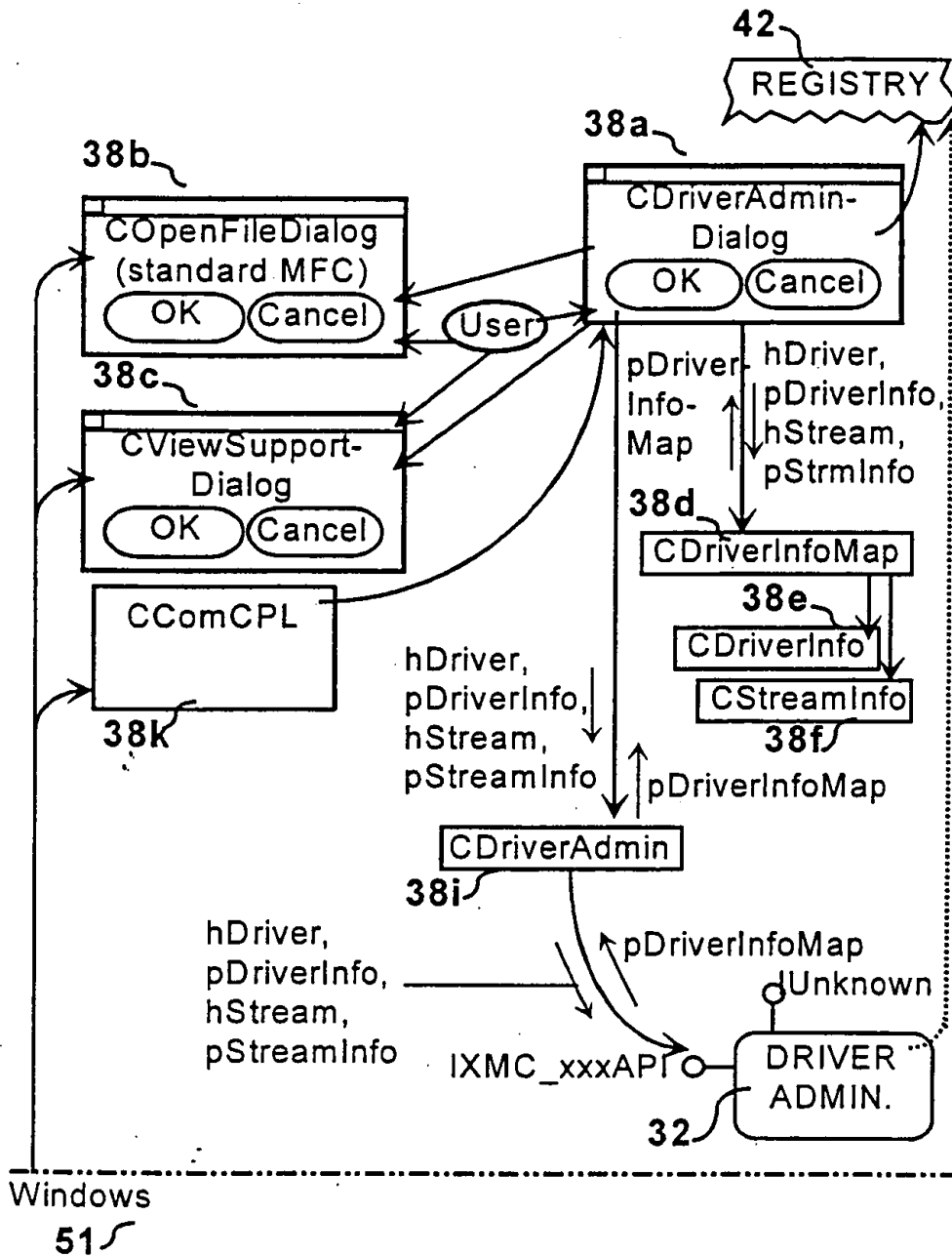
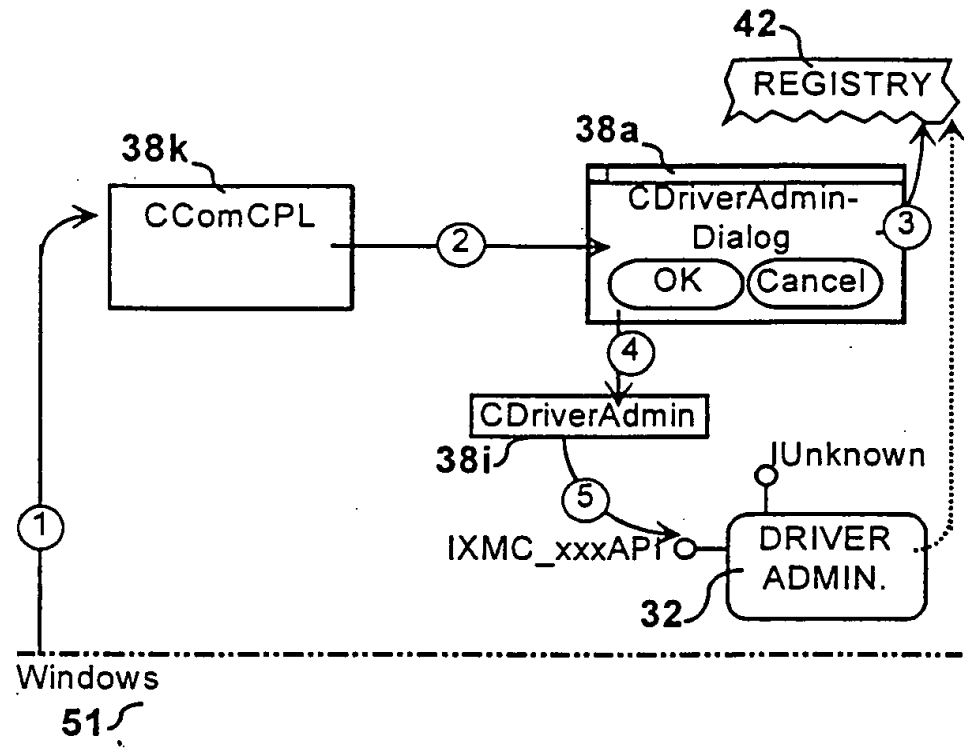


FIG. 53 Scenario-Map - Initializing the App.



002050-2232900

FIG. 54 Scenario-Map - Main Dialog Init.

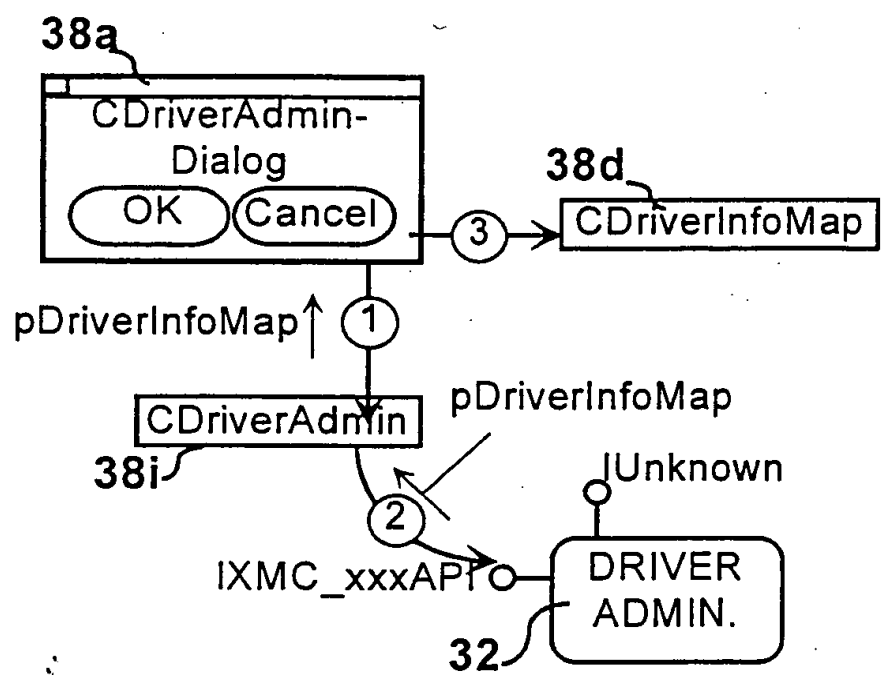


FIG. 55 Scenario-Map - Adding a Driver

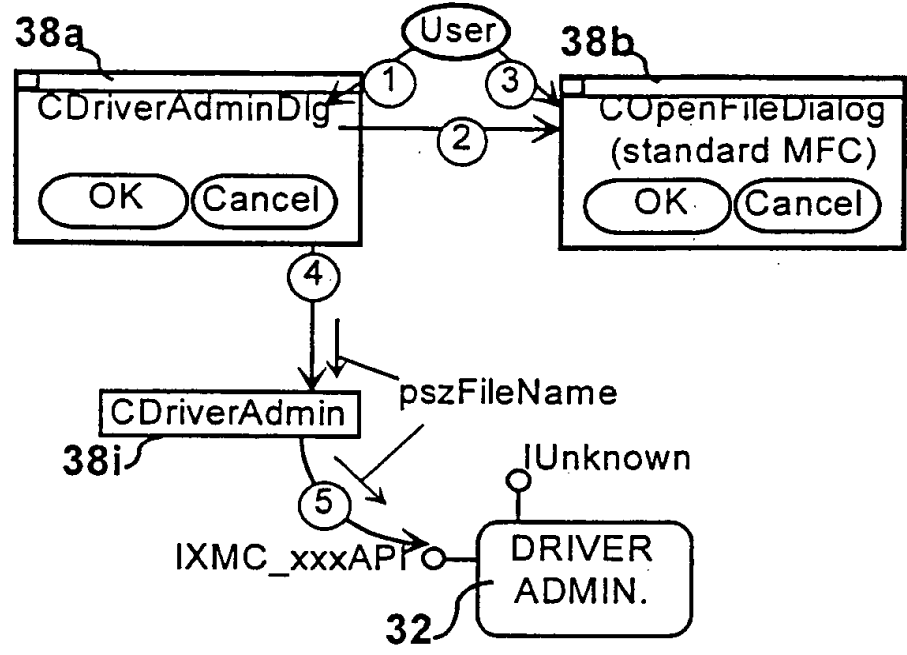
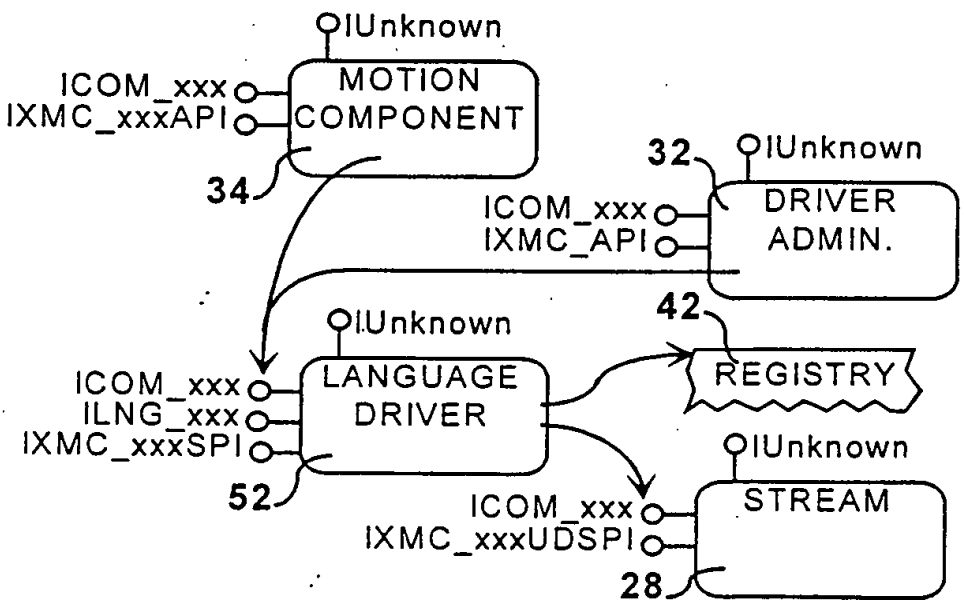


FIG. 58 Module Interaction-Map



002030-000000

29/64

FIG. 29 Scenario-Map - Opening the Stream

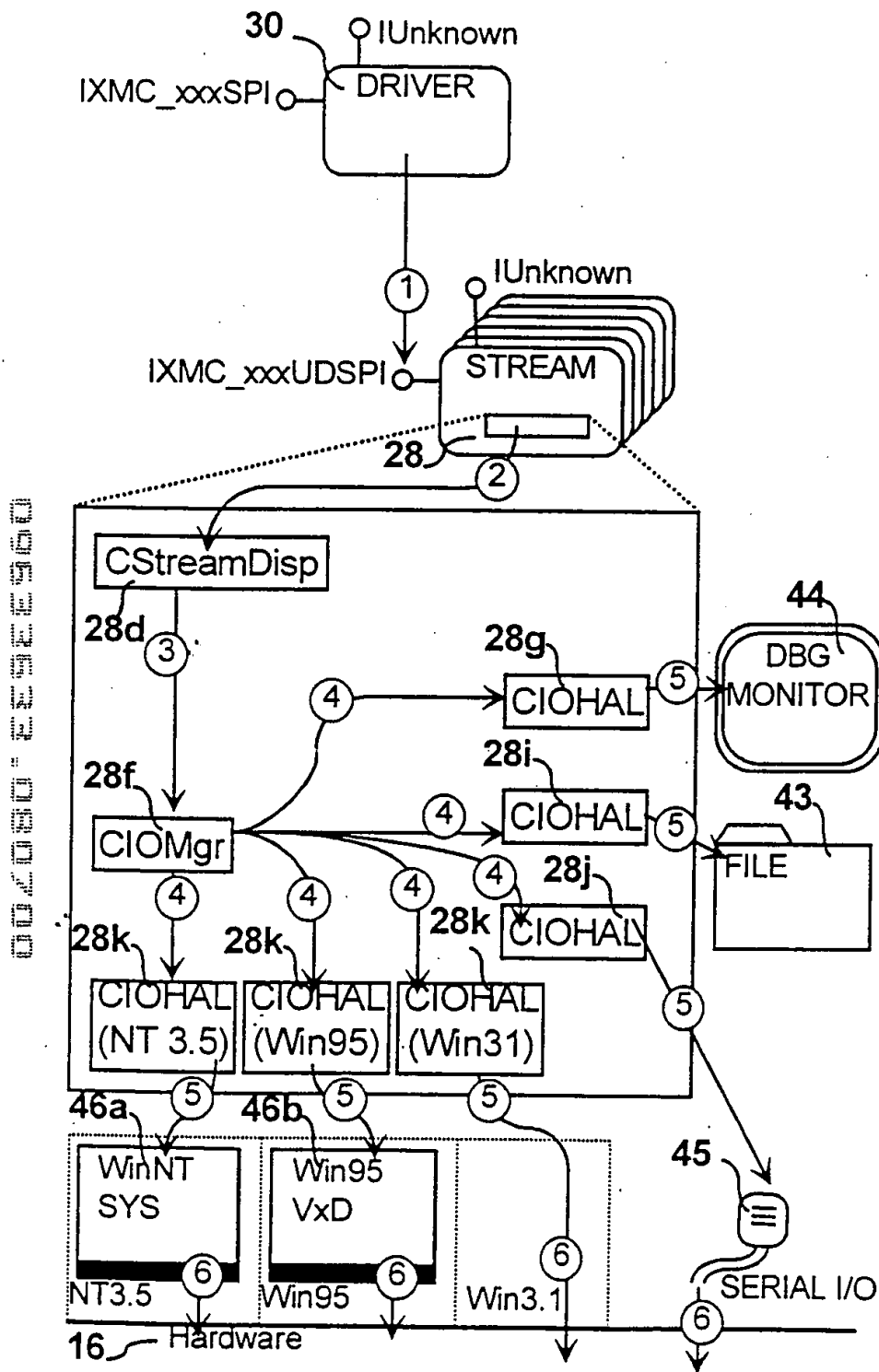


FIG. 56 Scenario-Map - Removing a Driver

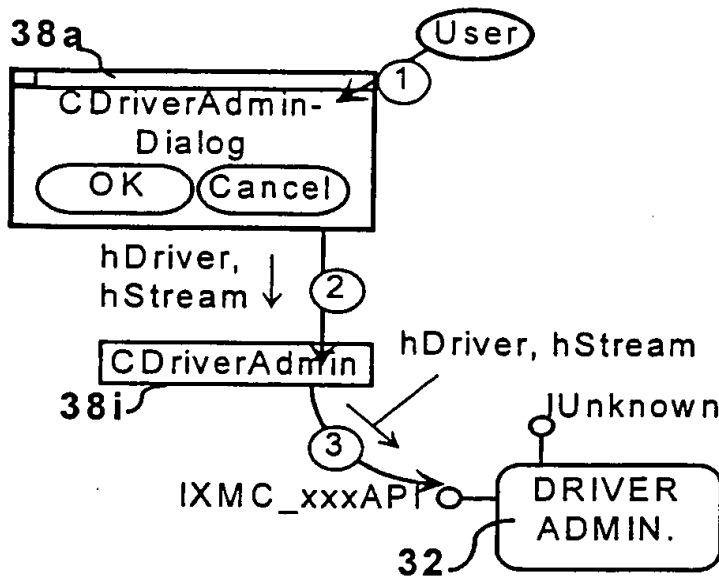
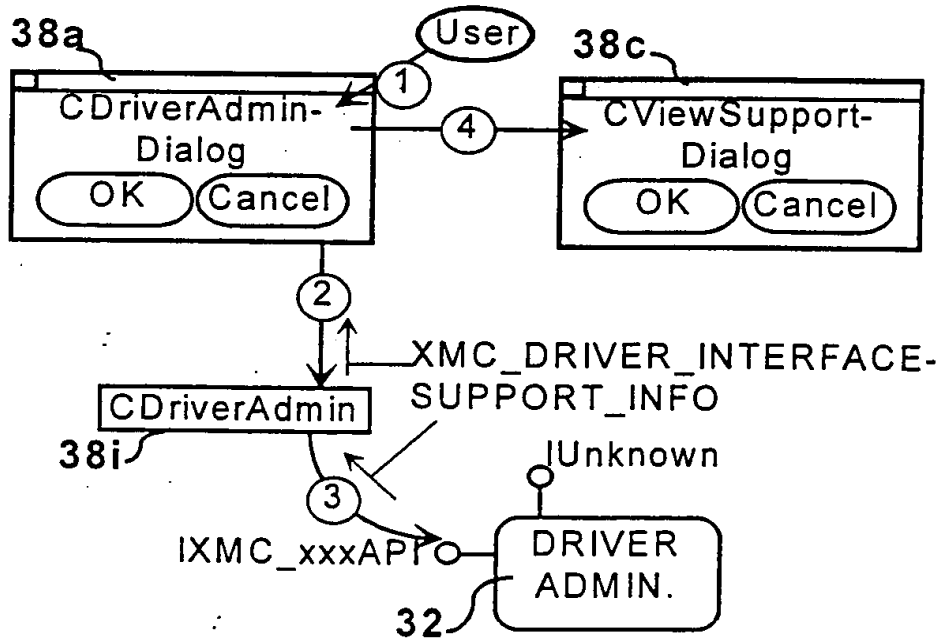


FIG. 57 Scenario-Map - View Support

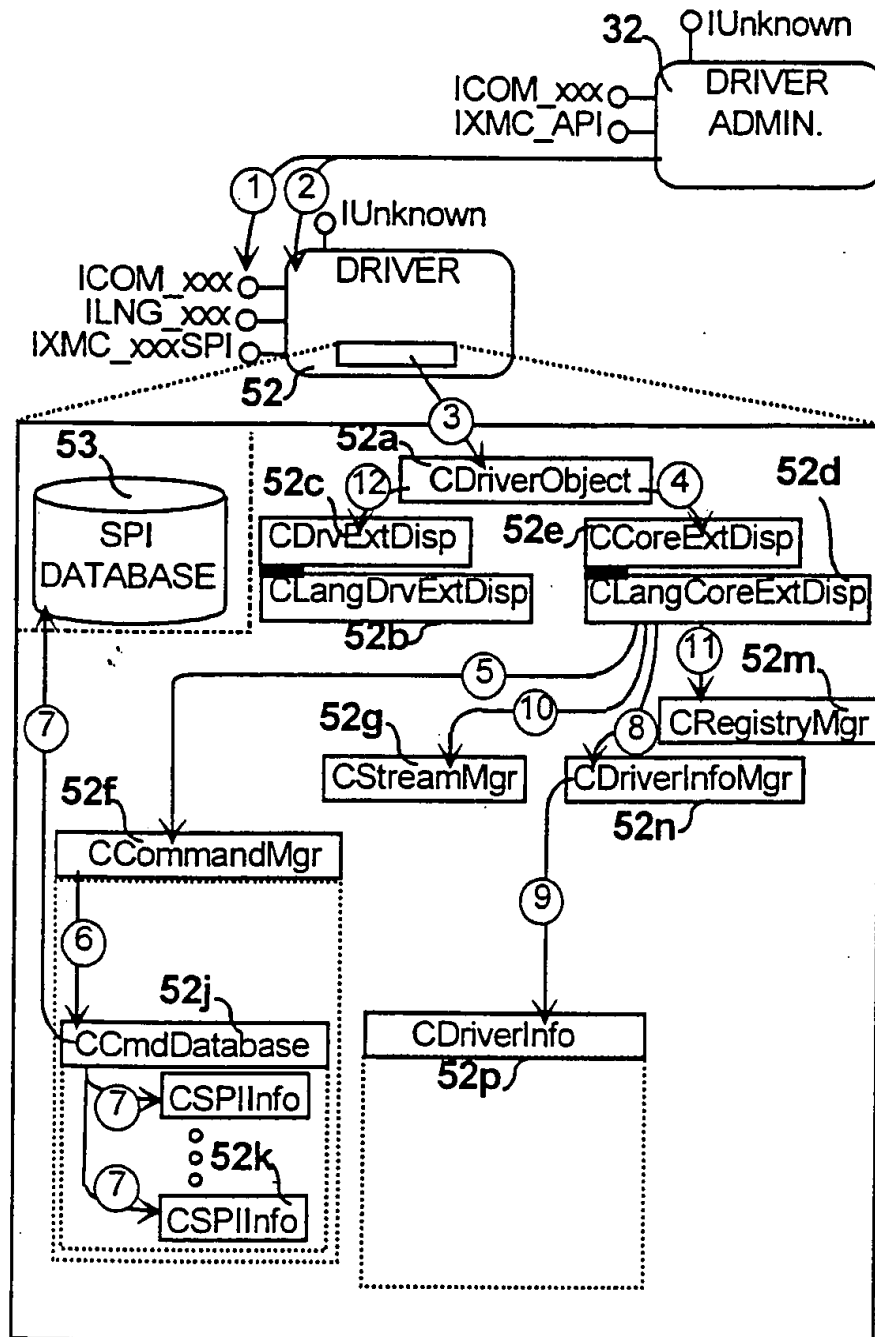


002030-EE9EE960

[illegible][illegible]

58/64

FIG. 60 Scenario-Map - Init. by Drv. Admin.



59/64

FIG. 61 Scenario-Map - Adding a Stream

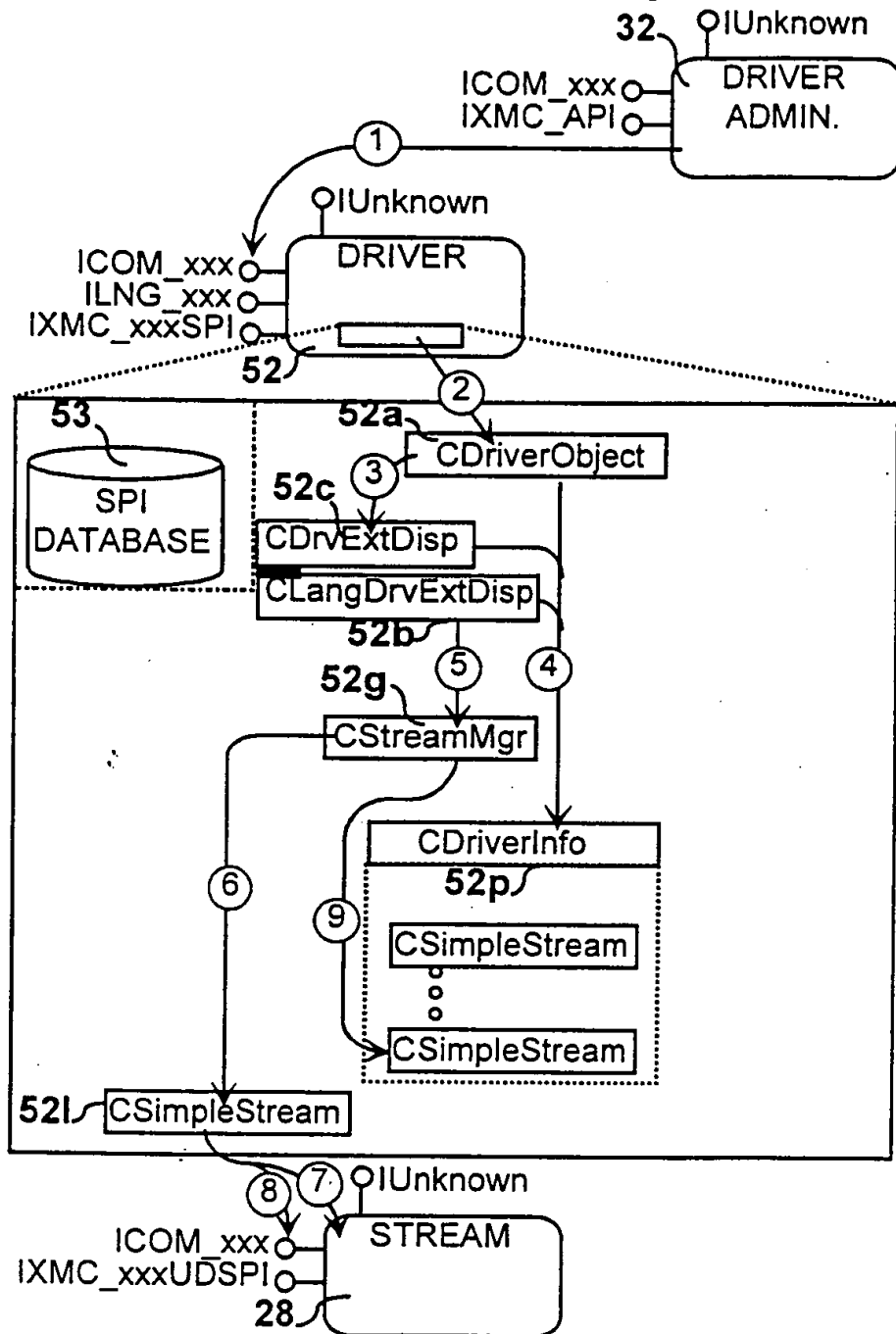
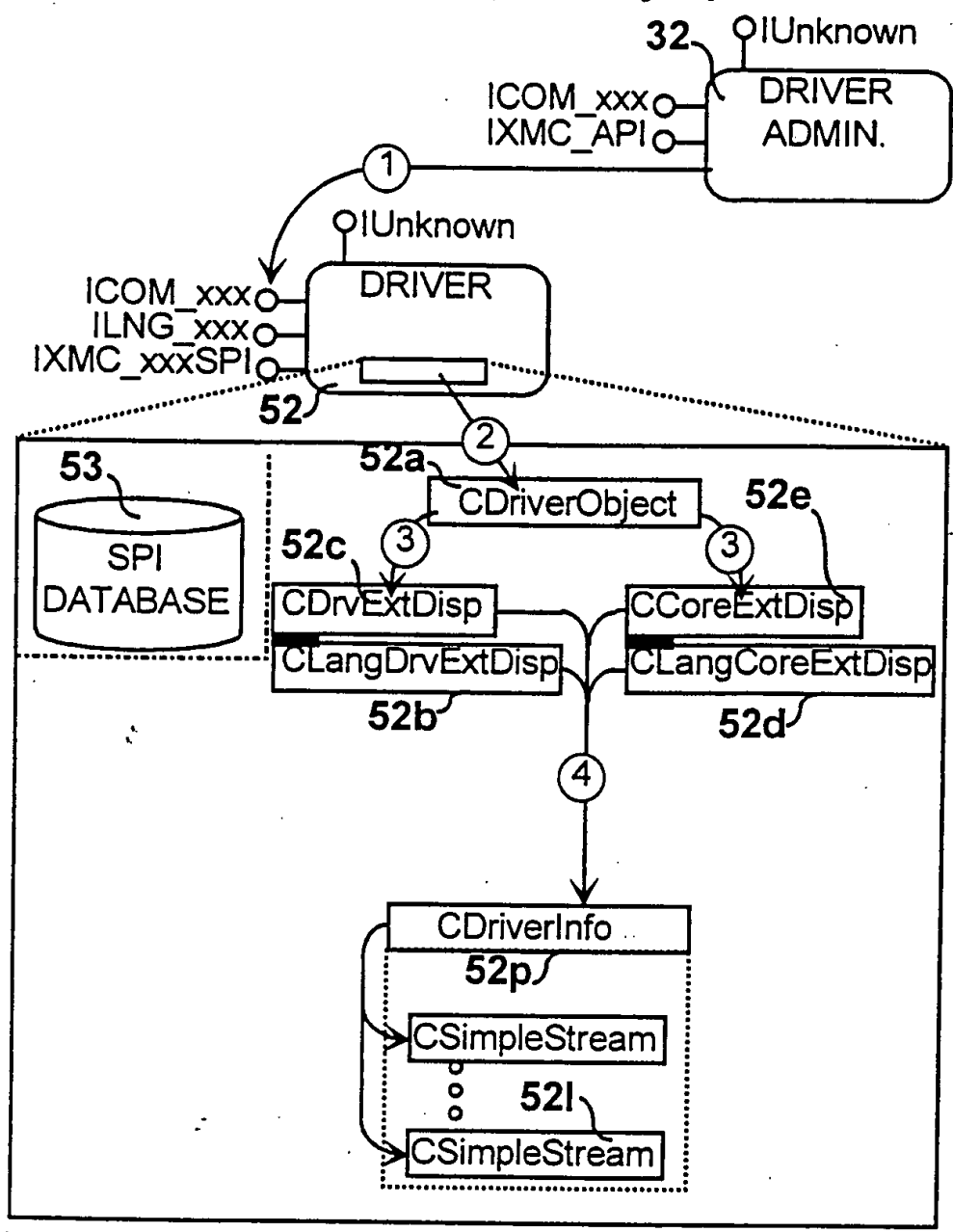


FIG. 62 Scenario-Map - Query Operation



002030-EE9E960

61/64

FIG. 63 Scenario-Map - Registration loading

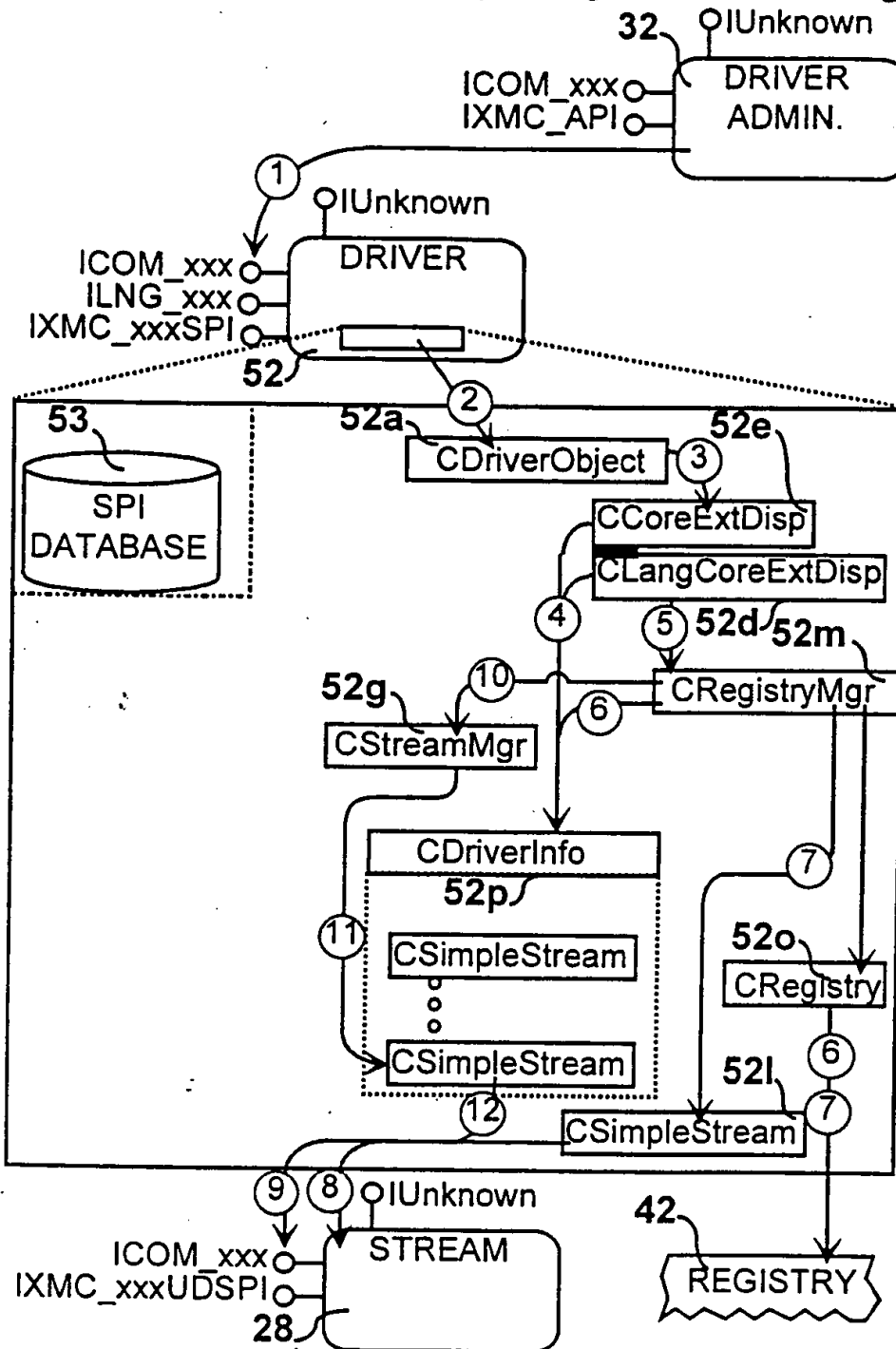


Figure 1 is a block diagram illustrating the system architecture. The diagram shows the flow of data and control between various components, including interfaces, drivers, and core objects.

External Interfaces and Drivers:

- MOTION COMPONENT:** Receives `ICOM_xxx` and `IXMC_xxxAPI` signals. It is connected to the **DRIVER** via a signal labeled 34.
- DRIVER ADMIN.:** Receives `ICOM_xxx` and `IXMC_API` signals. It is connected to the **DRIVER** via a signal labeled 32.
- DRIVER:** Receives `ICOM_xxx`, `ILNG_xxx`, and `IXMC_xxxSPI` signals. It is connected to the **CDriverObject** via a signal labeled 52.
- STREAM:** Receives `ICOM_xxx` and `IXMC_xxxUDSPI` signals. It is connected to the **CDriverInfo** via a signal labeled 28.

Core Objects and Data Flow:

- CDriverObject (52a):** The central hub for core objects. It receives signals 1 and 2.
- CDrvExtDisp (52c):** Connected to **CDriverObject** via signal 3. It is connected to **CCmdMgr** via signal 5.
- CLangDrvExtDisp (52b):** Connected to **CDriverObject** via signal 3. It is connected to **CCmdMgr** via signal 5.
- CCoreExtDisp (52d):** Connected to **CDriverObject** via signal 4. It is connected to **CCmdMgr** via signal 5.
- CLangCoreExtDisp (52e):** Connected to **CDriverObject** via signal 4. It is connected to **CCmdMgr** via signal 5.
- CCmdMgr (52f):** Connected to **CDriverObject** via signal 5. It is connected to **CCmdDatabase** via signal 5.
- CCmdDatabase (52j):** Contains **CSPIInfo** objects (52k). It is connected to **CCmdMgr** via signal 5.
- CStreamMgr (52g):** Connected to **CDriverObject** via signal 6. It is connected to **CDriverInfo** via signal 7.
- CDriverInfoMgr (52n):** Connected to **CDriverObject** via signal 6. It is connected to **CDriverInfo** via signal 7.
- CDriverInfo (52p):** Contains **CSimpleStream** objects (52l). It is connected to **CStreamMgr** and **CDriverInfoMgr** via signal 7.
- CRegistryMgr (52m):** Connected to **CDriverObject** via signal 6.

Database and SPI:

- SPI DATABASE (53):** A database component.
- CCmdDatabase (52j):** A database component containing **CSPIInfo** objects (52k).

63/64

FIG. 65 Scenario-Map - Command Operation

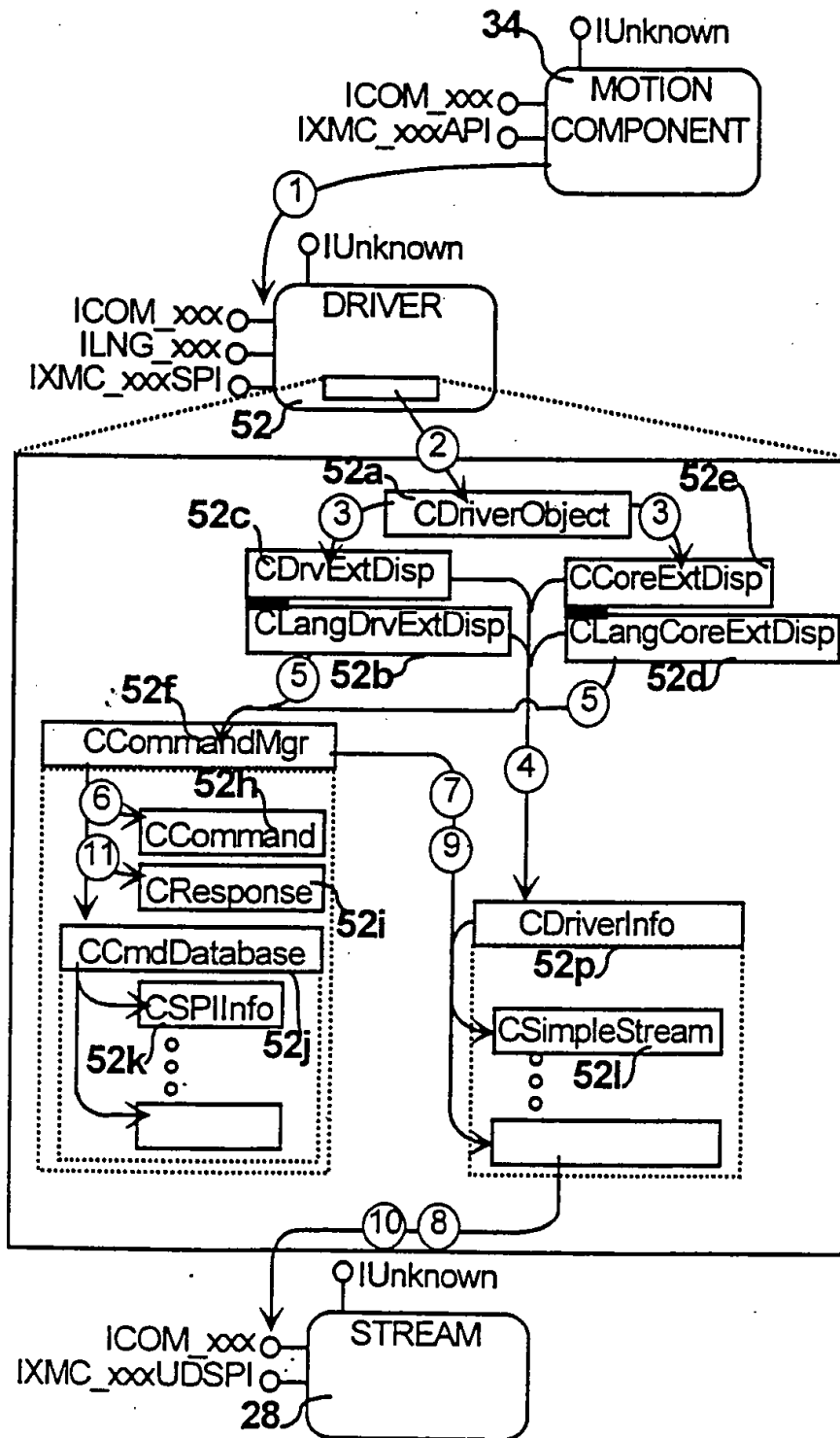
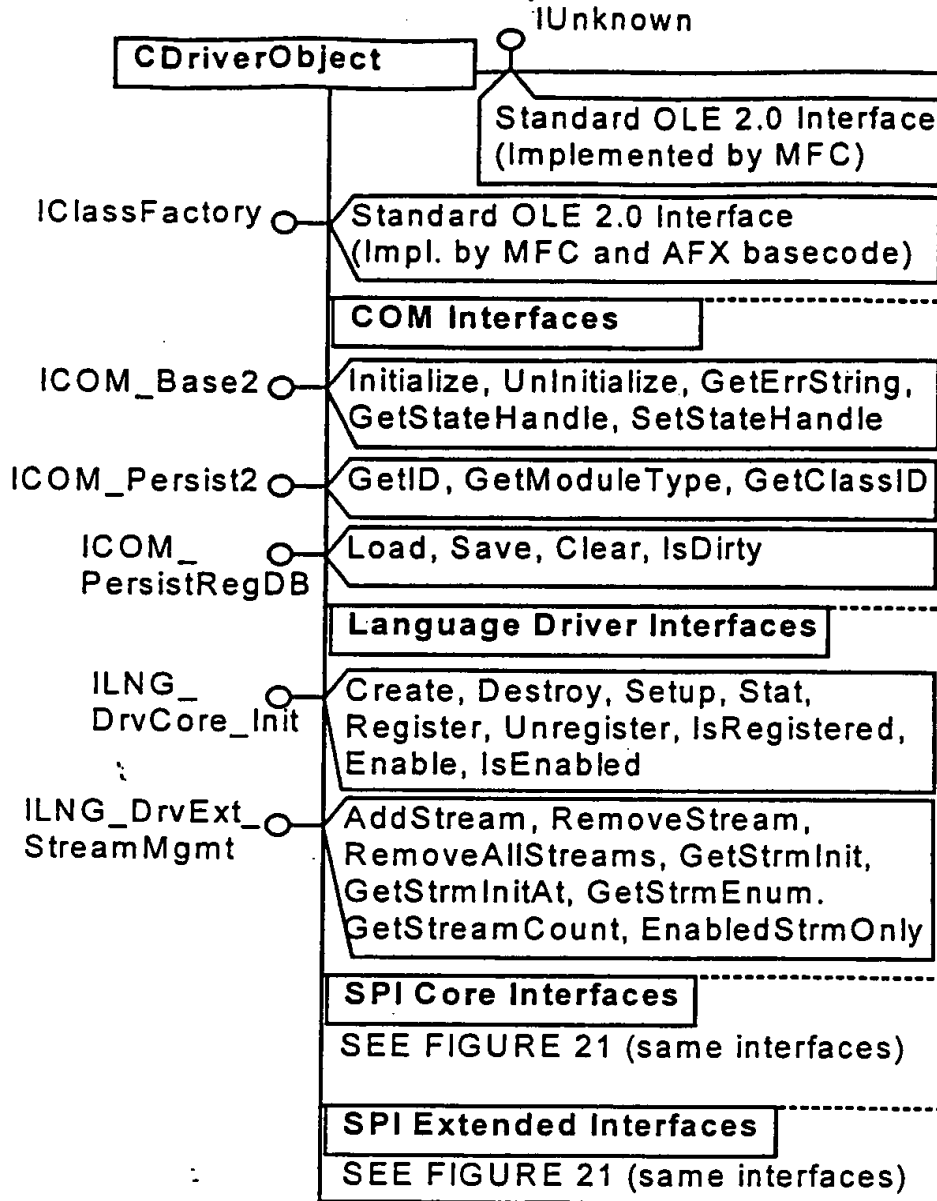


FIG. 66 Interface-Map



002030-030700